

1           23.   Watermaster Control of Spreading and Ground Water Storage. Except  
2 for the exercise of non-consumptive uses, no Party shall spread water within the Basin  
3 or Relevant Watershed for subsequent recovery or Watermaster credit without prior  
4 Watermaster written permission to do so because Watermaster has sole custody and  
5 control of all Ground Water storage rights in the Basin.

6           (a)   Replacement Water and Cyclic Storage Deliveries. Deliveries of  
7 water for replenishment or cyclic storage shall be made either pursuant to  
8 Watermaster's duly authorized order for Replacement Water or in accordance  
9 with terms and conditions of a valid Cyclic Storage Agreement with  
10 Watermaster. All such water deliveries shall be subject to the conditions and  
11 priorities set forth in Section 26 herein.

12           (b)   Supplemental Water Quality. In an effort to prevent degradation  
13 of Basin groundwater quality, and in accordance with Section 40 of the  
14 Judgment, Watermaster may establish criteria for the quality of Supplemental  
15 Water delivered for Basin replenishment or Cyclic Storage. Such criteria shall  
16 consider applicable Basin Plan objectives as set forth by the California Regional  
17 Water Quality Control Board - Los Angeles Region, but shall also balance the  
18 need to maintain adequate water supplies with the need to preserve Basin water  
19 quality.

20                   Watermaster may review and update its Criteria for Supplemental  
21 Water Quality as needed to address changes in regulations or hydrologic  
22 conditions. Watermaster shall provide the Responsible Agencies with at least  
23 30 days notice of its intent to adopt or modify such criteria, along with the  
24 proposed draft or changes, and shall consider comments from those agencies  
25 prior to adoption. Watermaster shall also provide the Responsible Agencies  
26 with the final, adopted Criteria for Supplemental Water Quality.

1           24.    Watermaster Annual Report. Watermaster shall annually file with the  
2 Court and mail to the Parties a report of all Watermaster activities during the preceding  
3 Fiscal Year, including an audited statement of all accounts and financial activities of  
4 Watermaster, summaries of Diversions and Pumping, and all other pertinent  
5 information. To the extent practical, said report shall be mailed to all Parties and filed  
6 with the Court on or before November 1 of each Year.

7           25.    Watermaster Stipulation Re Intervention After Judgment. Attached  
8 hereto and marked "Exhibit E" is a form of Stipulation for Intervention After Judgment  
9 which Watermaster will execute, file with the Court if accompanied by the necessary  
10 filing fee, obtain a Court hearing date thereon, give Notice thereof and attempt to obtain  
11 an approving Court Order thereon.

12           26.    Uniform Rules and Conditions of Cyclic Storage Agreements.

13               (a)   Application for Cyclic Storage Agreements. Any person or  
14 entity, private or public, desiring to spread and store Supplemental Water within  
15 the Basin for subsequent recovery and use or for Watermaster credit shall make  
16 application to Watermaster for a Cyclic Storage Agreement pursuant to these  
17 Uniform Rules and Conditions. Watermaster shall have first call on  
18 Supplemental Water for Replacement Water, Make-up Water and for the  
19 "Alhambra Exchange" before such water is made available for Cyclic Storage  
20 Agreements.

21               (b)   Purpose of Cyclic Storage Agreements. All Cyclic Storage  
22 Agreements shall be for the utilization of Ground Water storage capacity of the  
23 Basin and for cyclic or regulatory storage of Supplemental Water.

24               (c)   Available Storage Capacity. In considering the available Ground  
25 Water storage capacity of the Basin for such Agreements, Watermaster shall  
26

1 take into account the operation of the Basin under the Physical Solution  
2 provisions of the Judgment.

3 (d) Provisions of Cyclic Storage Agreements. Any such Agreement  
4 shall include provisions for:

5 (1) Watermaster control of all spreading (or injection) and  
6 extraction scheduling and procedures for such stored waters:

7 a) The time, place, and amount of said spreading  
8 shall be approved in advance by Watermaster provided, however,  
9 that when the water level of the Baldwin Park Key Well is at or  
10 above elevation two-hundred fifty (250) feet, spreading activities  
11 shall be restricted to the easterly portion of the Basin at water  
12 spreading facilities designated in advance by Watermaster, unless  
13 otherwise approved by the Court;

14 (2) Calculations by Watermaster of any special costs,  
15 damages or burdens resulting from such operation;

16 (3) Priorities for Cyclic Storage Agreements in the following  
17 order:

18 a) Responsible Agencies on the basis of their relative  
19 requirements for Replacement Water within their respective  
20 corporate boundaries,

21 b) Other Parties on the basis of priority of application  
22 to Watermaster for such Agreements, and

23 c) Non-parties;

24 (4) Determinations by Watermaster of, and accounting for, all  
25 losses in stored water, assuming that such stored water floats on top of  
26 the Ground Water supplies, and accounting for all losses of water which

1 otherwise would have replenished the Basin. Such losses of stored water  
2 shall be assigned by Watermaster as follows:

3 a) First losses by non-parties in the reverse priority  
4 of the earliest original dates of their respective Cyclic Storage  
5 Agreements, to the whole of such non-parties' stored water,

6 b) The next losses by Parties who are not  
7 Responsible Agencies in reverse priority of the earliest original  
8 dates of their respective Cyclic Storage Agreements, to the whole  
9 of their stored water, and

10 c) The last losses by Responsible Agencies to be  
11 shared on the basis of water actually in storage in the Basin at the  
12 time of the loss of such stored water;

13 (5) The priorities for spreading of Supplemental Water are  
14 hereby established as follows, in the order of their priority:

15 First: Supplemental Water ordered by Watermaster from  
16 Responsible Agencies for direct delivery to the Basin as  
17 Replacement Water,

18 Second: Supplemental Water for delivery to the Basin for storage  
19 under Cyclic Storage Agreements between Watermaster and  
20 Responsible Agencies. In the event that more than one  
21 Responsible Agency wishes to deliver water to Cyclic Storage  
22 simultaneously and there is inadequate spreading capacity  
23 available, deliveries by each Responsible Agency so desiring to  
24 deliver Supplemental Water shall be scheduled so that the total  
25 quantity of water in Cyclic Storage of those Agencies can be  
26



1 increased proportionately in percent of their maximum allowed  
2 Cyclic Storage,

3 Third: Supplemental Water for delivery to Individual Cyclic  
4 Storage accounts of Parties to the Judgment. In the event that  
5 more than one Party wishes to deliver water to such Cyclic  
6 Storage accounts simultaneously and there is inadequate  
7 spreading capacity available, deliveries for each such Party shall  
8 be scheduled so that the total quantity of water in such Parties'  
9 Individual Cyclic Storage accounts can be increased  
10 proportionately in percent of their maximum allowed Cyclic  
11 Storage, and

12 Fourth: Non-Parties as established by Watermaster at the time;  
13 and

14 (6) Payment to Watermaster for the benefit of Parties in said  
15 action of all special costs, damages or burdens incurred (without any  
16 charge, rent, assessment or expense as to Parties to said action by reason  
17 of the adjudicated proprietary character of said storage rights, nor credit  
18 for offset for benefits resulting from such storage); provided, no Party  
19 shall have any direct interest in or control over such contracts or the  
20 operation thereof by reason of the adjudicated right of such Party.  
21 Watermaster has sole custody and control of all Ground Water storage  
22 rights in the Basin pursuant to the Physical Solution in the Judgment and  
23 all said Agreements are subject to review and approval of the Court.

24 (e) Terms of Cyclic Storage Agreements and  
25 Extensions. The term of such Agreements shall not exceed five  
26 (5) years but may be extended for additional terms, not to exceed

1 five (5) years each, provided Watermaster shall report its  
2 intention to consider an extension of any such Agreement in  
3 minutes of its meeting held prior to its meeting when any such  
4 extension request shall be acted upon.

5 (f) Maximum Storage. Such Agreements shall fix the  
6 maximum amount of Supplemental Water to be stored in the  
7 Basin at any point in time by a particular storing entity.

8 (g) Watermaster to be Held Harmless. The storing  
9 entity of such Agreement shall save and hold harmless  
10 Watermaster, its officers, agents and employees from any and all  
11 costs, damages or liability resulting from said Agreement and  
12 shall provide Watermaster with the defense or costs of the  
13 defense of any action brought against Watermaster, its officers,  
14 agents or employees arising or alleged to arise by reason of such  
15 Agreement for storage of Supplemental Water in the Basin.

16 (h) Reports of Stored Water. The storing entity, if not  
17 a Producer, shall quarterly report to Watermaster the amount of  
18 Supplemental Water which it spreads and withdraws each quarter  
19 under such Agreement. Such reports shall be due on the last day  
20 of the month next succeeding the end of the relevant quarter, i.e.  
21 April 30, July 31, October 31, and January 31. Such reports shall  
22 be cumulative and shall indicate the credit balance of the relevant  
23 quarter. If the storing entity is a Producer storing water pursuant  
24 to an Individual Producer Cyclic Storage Account whereby  
25 Watermaster has purchased the stored water on the Producer's  
26 behalf and credited the Producer's account, then Watermaster

1 shall provide the Producer with a quarterly accounting of storage  
2 credit in the regular quarterly production report form. The  
3 Producer shall be responsible for verifying the credit and  
4 notifying Watermaster of any dispute or discrepancy.

5 (i) Court Approval of Cyclic Storage Agreements.

6 Upon its approval of a Cyclic Storage Agreement, Watermaster  
7 shall Petition the Court for approval thereof and said Agreement  
8 shall become effective only upon such Court approval.

9 27. Responsible Agency from Whom Watermaster Shall Purchase  
10 Replacement Water.

11 (a) Responsible Agencies. There are three Responsible Agencies  
12 within or partially within the Basin. Two of such Agencies, Upper San Gabriel  
13 Valley Municipal Water District (Upper District) and Three Valleys Municipal  
14 Water District (Three Valleys District) are member agencies of The  
15 Metropolitan Water District of Southern California (Metropolitan) and supply  
16 Watermaster with Replacement Water purchased from Metropolitan. The third  
17 Responsible Agency is San Gabriel Valley Municipal Water District (San  
18 Gabriel District) which has contracted with the State of California and has  
19 constructed facilities to deliver water from the State Water Project and, thus, can  
20 directly supply Watermaster with Replacement Water.

21 (b) Water Used Within the Basin. For water used within the Basin,  
22 the Responsible Agency within whose boundaries is located the place of use of  
23 water Produced from the Basin will determine the Responsible Agency from  
24 whom Watermaster shall purchase Replacement Water.

25 (c) Water Exported from the Basin. Except for water Produced from  
26 the Basin and used within the City of Sierra Madre (for which San Gabriel

1 District shall be the Responsible Agency), the place of such Production of water  
2 exported from the Basin shall determine the Responsible Agency from whom  
3 Watermaster shall purchase Replacement Water.

4 (d) Computations of the Amount of Replacement Water to be  
5 Purchased from Responsible Agencies. In computing the amount of  
6 Replacement Water to be provided by a Responsible Agency, Watermaster  
7 shall:

8 (1) Determine the Replacement Water requirement of each  
9 Party to the Judgment and apportion such Replacement Water  
10 requirement as required in (b) and (c) above;

11 (2) Calculate the total Replacement Water requirement for  
12 each Responsible Agency as determined in (1) above;

13 (3) Tabulate Interagency Transfers of water rights as  
14 described in (e) (1) below;

15 (4) Calculate the Net Interagency Transfer adjustment as  
16 described in (e) (2) below;

17 (5) Determine the adjusted Replacement Water requirements,  
18 calculated for each Responsible Agency as required in (e) below; and

19 (6) Determine the effect of deferred Replacement Water  
20 requirements as calculated in (h) below.

21 (e) Net Interagency Transfer Adjustment and Replacement Water  
22 Requirement. Replacement Water requirements as heretofore calculated shall be  
23 modified by a "Net Interagency Transfer Adjustment." "Interagency Transfer"  
24 shall mean the aggregate amount of Production Right resulting from the  
25 temporary transfer of all or a portion of a Pumper's Share of Operating Safe  
26 Yield, or a Base Annual Diversion Right, or the Diversion Component or

1 Pumping Component of an Integrated Production Right for use within the  
2 boundaries of a Responsible Agency other than the Responsible Agency within  
3 which such water rights were developed and adjudicated.

4 The annual Replacement Water requirement resulting from Net  
5 Interagency Transfers for each Responsible Agency shall be calculated as  
6 follows:

7 (1) Net Interagency Transfers shall be calculated for each  
8 Responsible Agency as the difference between such rights transferred for  
9 use outside or partially outside that Responsible Agency and such rights  
10 transferred for use within or partially within that Responsible Agency.

11 (2) Tabulate the total Interagency Transfers of water rights,  
12 calculated for each of the Responsible Agencies in (1) above. The sum  
13 of said total Interagency Transfers for each of the three Responsible  
14 Agencies is that Responsible Agency's Net Interagency Transfer  
15 Adjustment. The total of such adjustments for all Responsible Agencies  
16 shall equal zero. The Responsible Agency(s) having a positive amount  
17 shall have this Net Interagency Transfer Adjustment added to the  
18 Replacement Water requirement computed for it in (d) (2) above. The  
19 Responsible Agency(s) having a negative amount shall have this Net  
20 Interagency Transfer Adjustment subtracted from the Replacement  
21 Water requirement calculated for it in (d) (2) above.

22 (f) Special Provisions.

23 (1) The Replacement Water requirement calculated for each  
24 of the Responsible Agencies in (e) (2) above cannot exceed the total  
25 quantity of Replacement Water obligation calculated for all Responsible  
26 Agencies, and/or;

1 (2) If the Replacement Water requirement calculated in (e)  
2 (2) above results in a negative value, that negative value shall be  
3 adjusted to zero, as described in (h) below.

4 (g) Special Provisions Re Alhambra Exchange. An adjustment shall  
5 be made to San Gabriel District's calculated Replacement Water requirement, if  
6 necessary, to allow Upper District to deliver an amount of Replacement Water to  
7 the City of Alhambra equal to the quantity delivered through connection USG-5  
8 for the previous year, the year in which the Replacement Water requirement was  
9 incurred.

10 (h) Adjustments to Calculated Replacement Water Requirements.  
11 Adjustments to Replacement Water requirements resulting from the calculations  
12 in (f) (2) or (g) above shall be apportioned as follows:

13 (1) As between Upper District and Three Valleys District, the  
14 district with a negative value shall have added to it an amount sufficient  
15 to equal zero, that amount shall be subtracted from the Replacement  
16 Water requirement of the other Responsible Agency, but it shall not be  
17 reduced to less than zero. If a negative balance still exists, then it shall  
18 be subtracted from San Gabriel District.

19 (2) If San Gabriel District's Replacement Water requirement  
20 is less than zero, it shall be adjusted to zero by deducting equal amounts  
21 of San Gabriel District's adjustment from both Upper District and Three  
22 Valleys District.

23 (3) All adjustments shall be accumulated in a Deferred  
24 Replacement Water Requirement Account for each of the Responsible  
25 Agencies. In future years when deliveries of Replacement Water may be  
26 made by a Responsible Agency, up to the amount, or any portion of the

1 amount, in the Deferred Replacement Water Requirement Account, such  
2 deliveries will be equally subtracted from the Replacement Water  
3 requirement of the Responsible Agency(s) from which it was derived in  
4 (1) and/or (2) above for that year so long as such deliveries shall not  
5 cause total deliveries of all Responsible Agencies to exceed the amounts  
6 provided for in paragraph (f) (1) and/or paragraph (f) (2) above. At the  
7 time that deliveries are made by a Responsible Agency from its  
8 Deferred Replacement Water Requirement Account, Watermaster shall  
9 pay to that Responsible Agency its price prevailing at that time for  
10 Replacement Water.

11 (i) Advanced Delivery Account. Whenever the total quantity  
12 calculated in (e) (1) above, is less than that delivered to the City of Alhambra  
13 through USG-5 for the previous year, an accounting of the difference shall be  
14 maintained in an "Advanced Delivery Account" and such difference, or as  
15 much as possible thereof, shall be subtracted from the Replacement Water  
16 Requirement of Upper District in the next year when an obligation to deliver  
17 Replacement Water exists for Upper District.

18 28. Ground Water Quality Management. The Watermaster, Upper District,  
19 San Gabriel District, and San Gabriel Valley Water Association, through a Joint  
20 Resolution dated February-March 1989, affirmed their commitment to participate in a  
21 coordinated federal, state and local response to contamination of Ground Water supplies  
22 of the Basin for both the purpose of preventing additional contamination and the  
23 purpose of cleaning up and limiting the spread of existing contamination. The entities  
24 adopting that Joint Resolution designated and accepted Watermaster as the entity to  
25 coordinate local involvement in the efforts to preserve and restore the quality of Ground  
26 Water within the Basin. Watermaster sought and received additional powers from the

1 Court to regulate extractions of water from the Basin for water quality control purposes,  
2 and this Section 28 is to implement the same. These efforts shall be that any New or  
3 Increased Extraction to meet water needs from the Basin shall include planned  
4 treatment in existing areas of High Level Degradation or Contamination. An important  
5 part of exercising these additional powers and coordinating federal, state and local  
6 responses to contamination of the Basin's water supplies is the collection and  
7 compilation of essential data from Producers and the expeditious distribution of such  
8 data to the proper state and federal regulatory agencies involved in water quality  
9 matters in the Basin.

10 (a) Watermaster Approvals. Each Producer shall, after the effective  
11 date of this amendment to these Rules and Regulations (June 28, 1991), apply to  
12 Watermaster, on forms provided by Watermaster, for a permit to do any of the  
13 following:

- 14 - Construct any well;
- 15 - Deepen any existing well;
- 16 - Modify the perforations of the casing of any existing well;
- 17 - Notwithstanding natural fluctuations in Basin water levels, physically  
18 increase or decrease the Effective Extraction Capacity of any existing  
19 well, including that which may occur due to installation or modification  
20 of pipelines, booster pumps or other distribution system components, as  
21 of said effective date of these Rules and Regulations;
- 22 - Abandon any existing well; or
- 23 - Construct, relocate or abandon Ground Water Treatment Facilities.

24 Such application will be acted upon by Watermaster no later than at its first  
25 regular meeting following sixty (60) days after receipt of the complete  
26 application. If an emergency exists, Watermaster shall expedite its actions to the  
maximum extent practicable.

(b) Watermaster Directed Change in Water Production.

(1) Based on available data, Watermaster's Five-Year Plan,  
and/or Ground Water modeling, Watermaster will, for water quality protection



1 purposes, direct any Producer to increase, decrease or cease Production from  
2 existing wells, initiate new well Production or deliver water to or accept water  
3 from another water system or direct a Producer to obtain water from another  
4 source in-lieu of Pumping from its own wells, or take other appropriate actions  
5 in compliance with an approved Watermaster plan by giving such Producer  
6 advanced written notice thereof, specifying a time certain for compliance.

7 (2) The increase in cost to a Producer resulting from a  
8 Watermaster directed change in water Production shall not be borne by the  
9 Producer, but will be reimbursed to the Producer by Watermaster through In-  
10 Lieu Water Assessments levied by Watermaster, unless such funding is made  
11 available from other sources such as federal, state or local governmental entities  
12 or by those found to be responsible for the contamination in the Basin which  
13 caused Watermaster to direct the change in Production by the Producer.

14 (c) Producer Data, Initial Submittal. After June 28, 1991, Producers  
15 shall submit, within sixty (60) days of Watermaster's request, initial data in a  
16 form acceptable to Watermaster, to update and ensure the accuracy of the  
17 existing Basin database. The data shall include:

18 (1) Identification and location of all Active, Inactive or  
19 Abandoned Wells;

20 (2) Water quality data concerning organic compounds,  
21 nitrates and any other water quality parameters as specified by  
22 Watermaster, including all data from other sampling Producers may  
23 conduct in addition to governmental requirements;

24 (3) Available construction details of each well owned or  
25 operated by Producer, as well as all logs (driller's, electric, etc.);

26 (4) Depths or zones from which water is extracted from each

1 well, if available; and

2 (5) A current map of the main water transmission system of  
3 Producer's distribution system showing the location and sizes of  
4 transmission mains and storage reservoirs, all interconnections with  
5 other systems and their sizes and capacities, and any other data pertinent  
6 to the transmission (but not distribution to customers) of water through  
7 the Producer's system.

8 (d) Quarterly Reports. After the initial submittal of data per  
9 subparagraph (c) above, the following data shall be submitted by all Producers  
10 to Watermaster quarterly, on or before the last day of January, April, July and  
11 October:

12 (1) Chemical water quality data collected during the quarter  
13 and provided to any state, federal or local public agency;

14 (2) Data described under Section 28 (c) (3), (4) and (5)  
15 hereof which supplement, amend or change the data previously  
16 submitted by a Producer; and

17 (3) All data from other sampling which Producers may  
18 conduct in addition to governmental requirements.

19 (e) Operating Principles. Any New or Increased Extraction by a  
20 Producer in the Basin to meet water supply needs shall have prior Watermaster  
21 approval, shall not contribute to contaminant migration, and shall include  
22 planned treatment in existing areas of High-level Degradation and  
23 Contamination. In giving such approval, Watermaster shall consider the  
24 cumulative effects of multiple actions by all Producers in the area of concern by  
25 using available information, the Five-Year Plan, and Ground Water modeling.  
26 If Watermaster determines that a proposed new well is a Replacement Well and

1 is not a New or Increased Extraction, the requirement for Planned Treatment in  
2 existing areas of High-level Degradation and Contamination may be waived.

3 (f) Emergency Exemptions. Where a Producer's water supply or  
4 water quality problem is so urgent that the viable option for maintaining an  
5 adequate short-term supply that meets drinking water standards involves an  
6 action in conflict with the operating principles outlined in Section 28 ( e) hereof,  
7 Watermaster may approve a short-term action contingent upon the Applicant  
8 Producer concurrently submitting an acceptable long-term action plan with  
9 acceptable deadlines for implementation. In general, the long-term action plan  
10 must be approved prior to or concurrently with the short-term action.

11 (g) Water Quality and Supply Plans. To assure that Pumping does  
12 not lead to further degradation of water quality in the Basin, a Five- Year Water  
13 Quality and Supply Plan must be prepared and updated annually by  
14 Watermaster, projecting water supply requirements and water quality conditions  
15 for each period of five (5) calendar years beginning November 1, 1991, and  
16 each November 1 thereafter. This Plan will also include a water quality  
17 monitoring element to obtain supplemental information as needed to assist in  
18 projecting contamination levels. Watermaster will supply the Producers with  
19 projections of contaminant migration by June 1 of each year for the preparation  
20 of these Water Quality and Supply Plans.

21 Each purveyor of potable water produced from the Basin shall  
22 submit the following information to Watermaster by July 31 of each year:

23 (1) Projected quarterly water supply requirements for each of  
24 the following five calendar years and the proposed pumping rates, in  
25 gallons per minute, for each well;

26 (2) Identification of each Production well known to contain

1 contaminants and the contaminant levels;

2 (3) Proposed methods for meeting the water supply  
3 requirements of the system if contaminant levels are, or are projected by  
4 Watermaster to become, greater than drinking water standards; and

5 (4) Any intended treatment facility.

6 Watermaster shall analyze the information submitted by Producers and  
7 develop an overall draft Basin Water Quality and Supply Plan. A draft Plan will  
8 be submitted by Watermaster to the Los Angeles Regional Water Quality  
9 Control Board, and for public review and comment per Section 28 (i) hereof, by  
10 November 1. Appropriate modifications resulting from comments received will  
11 be reflected in the final draft, and a staff report providing an explanation of  
12 decisions will be made available.

13 (h) Ground Water Treatment Facilities.

14 (1) Producers in the Basin shall notify Watermaster in  
15 advance at the initial stages of planning of their intent to construct any  
16 Facility to remove volatile organic compounds (VOCs), nitrates, or other  
17 contaminants from water Produced from the Basin. Such notice shall  
18 include the following information:

- 19 - the intended location and a description of the Treatment  
20 Facility;  
21 - the water production capacity;  
22 - the rate of contaminant removal capacity;  
23 - the expected concentration of all identified contaminants in the  
24 water to be treated;  
25 - the expected concentration of all identified contaminants in the  
26 water after treatment;  
- the intended disposition of all water to be treated;  
- the expected initiation date and period of time over which the  
Treatment Facility will operate; and  
- the expected capital and operating costs of the Treatment  
Facility.

(2) In addition, the Producer shall describe all necessary

1 permits and/or all permits for which it has applied or has received from  
2 all regulatory agencies with regard to such Treatment Facility and shall  
3 supply to Watermaster copies of all environmental documents required  
4 under the California Environmental Quality Act and/or the National  
5 Environmental Protection Act. No construction of such Treatment  
6 Facilities shall be initiated without the prior written approval of  
7 Watermaster. Watermaster shall promptly examine each submittal for  
8 compatibility with available information, the Five- Year Plan and the  
9 operating principles, and notify the Applicant of its findings and decision  
10 regarding such proposed Treatment Facility no later than at its first  
11 regular meeting following sixty (60) days after receipt of a complete  
12 submittal by the Producer. Watermaster will also report its determination  
13 to the Los Angeles Regional Water Quality Control Board.

14 (3) All operators of Treatment Facilities shall report quarterly  
15 to Watermaster at least the following information:

- 16 - name or other designation of the Treatment Facility;
- 17 - quantity of water treated during quarter;
- 18 - quantity of each contaminant removed;
- 19 - quality of water before treatment, at beginning and end  
20 of each quarter;
- 21 - quality of water after treatment, at beginning and end of  
22 each quarter; and
- 23 - operation and maintenance costs for each quarter.

24 (i) Decision Making Process. Hearings and Appeals.

25 (1) All Watermaster determinations relating to the control of  
26 Pumping for water quality purposes shall be based upon a staff  
recommendation and information and recommendations received from  
or furnished by affected Producers. Staffs recommendation shall result  
from staff's analysis of information presented by interested Parties, all

1 available water quality data, Watermaster's Five-Year Plan, Ground  
2 Water modeling and other water quality trend analysis reports, and will  
3 be based on the operating principles set forth in these rules. Staff shall  
4 provide supporting data to document each recommendation that it makes  
5 to Watermaster. After consideration of the staff recommendation and  
6 public comment provided at the Watermaster meeting, Watermaster  
7 shall make a final decision.

8 (2) Public hearings on Watermaster's draft annual Five-Year  
9 Water Quality and Supply Plan will be held following a thirty (30) day  
10 public review and comment period. A notice of the availability of such  
11 draft will be sent to all Parties to the Judgment as well as to all other  
12 interested Parties following the regular Watermaster meeting in  
13 November of each year, along with a notice of the date, time and place  
14 of the public hearing, to be scheduled not less than thirty (30) days after  
15 the mailing date of the notice of availability of the draft Plan. A notice  
16 of public hearing will also be published in the San Gabriel Valley's key  
17 local newspaper(s) at the beginning of the public review period.  
18 Consideration of comments received is described in Section 28 (g)  
19 hereof.

20 (3) Appeal of a Watermaster decision may be made to the  
21 Watermaster who shall notice and consider the same at a public hearing.  
22 Actions by the Watermaster are subject to review by the Court. Any  
23 Party may, by a regularly noticed motion, petition the Court for review  
24 of Watermaster's action or decision. Notice of such motion shall be  
25 served and filed within ninety (90) days after such Watermaster action  
26 or decision.

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2 29. Watermaster-directed Groundwater Management Programs. Upon written  
3 request by any Party, or on recommendation of Watermaster staff, Watermaster may  
4 initiate an investigation of existing or proposed pumping activities, groundwater levels,  
5 recharge potential and other factors that influence groundwater supply in any specific  
6 area of the Basin. Based on the findings of the investigation, and in accordance with  
7 Section 40(a) of the Judgment, Watermaster may determine that a groundwater  
8 management program is needed to assure equitable water supply availability to all  
9 affected Parties in the investigation area. Such a program may require that Producers  
10 reduce pumping from one or more wells, take water from another source in lieu of  
11 pumping groundwater, or a combination of those and/or other measures; however, no  
12 program adopted by Watermaster pursuant to this section shall effect a modification or  
13 amendment of the quantities specified in the declared rights of any Party under the  
14 Judgment.

15 If Watermaster determines such a management program is needed within a  
16 specific area of the Basin, Watermaster will develop the program with review and  
17 comment by affected Parties, and will first attempt to facilitate its implementation  
18 through voluntary agreements among the various affected Parties. Watermaster may  
19 also participate in such agreements as appropriate, subject to court approval.

20 If any affected Party refuses voluntary participation in the groundwater  
21 management program, or if the affected Parties cannot reach agreement within a  
22 reasonable time not to exceed 12 months from the date that Watermaster receives the  
23 draft program at a regular meeting, Watermaster will consider adoption of the program  
24 at a duly noticed public hearing and, if the program is adopted, will seek court approval  
25 of the program as part of the Watermaster Operating Criteria set forth in the Judgment.  
26 Watermaster will implement the program upon court approval and may use funds  
collected through the In-lieu Assessment to reimburse a Producer for costs incurred

beyond normal operating costs to comply with the Watermaster-directed groundwater management program.



1 APPENDIX "A"

2 DEFINITIONS

3 (a) Base Annual Diversion Right -- The average annual quantity of water  
4 which a Diverter has the right to Divert for Direct Use.

5 (b) Direct Use -- Beneficial use of water other than for spreading or Ground  
6 Water recharge.

7 (c) Divert or Diverting -- To take waters of any surface stream within the  
8 Relevant Watershed.

9 (d) Diverter -- Any Party who Diverts.

10 (e) Elevation -- Feet above mean sea level.

11 (f) Fiscal Year -- The period July 1 through June 30, following.

12 (g) Ground Water -- Water beneath the surface of the ground and within the  
13 zone of saturation.

14 (h) Ground Water Basin -- An interconnected permeable geologic formation  
15 capable of storing a substantial Ground Water supply.

16 (i) Integrated Producer -- Any Party that is both a Pumper and a Diverter,  
17 and has elected to have its rights adjudicated under the optional formula provided in  
18 Section 18 of the Amended Judgment.

19 (j) In-Lieu Water Cost -- The differential between a particular Producer's  
20 cost of Watermaster directed Produced, treated, blended, substituted or Supplemental  
21 Water delivered or substituted to, for, or taken by such Producer in-lieu of his cost of  
22 otherwise normally producing a like amount of Ground Water.

23 (k) Judgment -- Judgment entered in Los Angeles Superior Court Civil  
24 Action No. 924128, entitled "Upper San Gabriel Valley Municipal Water District v.  
25 City of Alhambra, et al." as amended.

26 (l) Key Well -- Baldwin Park Key Well, being elsewhere designated as

1 State Well No. IS/1OW-7R2, or Los Angeles County, Department of Public Works,  
2 Well No. 3030-F. Said well has a ground surface elevation of 386.7.

3 (m) Long Beach Case -- Los Angeles Superior Court Case No. 722647,  
4 entitled "The Board of Water Commissioners of the City of Long Beach, et al, v. San  
5 Gabriel Valley Water Company, et al."

6 (n) Main San Gabriel Basin or Basin -- The Ground Water Basin underlying  
7 the area shown as such on Exhibit "A" of the Judgment.

8 (o) Make-up Obligation -- The total cost of meeting the obligation of the  
9 Basin to the area at or below Whittier Narrows, pursuant to the Judgment in the Long  
10 Beach Case.

11 (p) Minimal Producer -- Any Producer whose Production in any Fiscal Year  
12 does not exceed five (5) acre-feet.

13 (q) Natural Safe Yield -- The quantity of natural water supply which can be  
14 extracted annually from the Basin under conditions of the long-term average annual  
15 supply, net of the requirement to meet downstream rights as determined in the Long  
16 Beach Case (exclusive of Pumped export), and under cultural conditions as of a  
17 particular year.

18 (r) Operating Safe Yield -- The quantity of water which Watermaster  
19 determines may be Pumped from the Basin in a particular Fiscal Year, free of the  
20 Replacement Water Assessment under the Physical Solution of the Judgment.

21 (s) Overdraft -- A condition wherein the total annual Production from the  
22 Basin exceeds the Natural Safe Yield thereof.

23 (t) Overlying Rights -- The right to Produce water from the Basin for use on  
24 Overlying Lands, which rights are exercisable only on specifically defined Overlying  
25 Lands and which cannot be separately conveyed or transferred apart therefrom.

26 (u) Physical Solution -- The Court-decreed method of managing the waters

1 of the Basin so as to achieve the maximum utilization of the Basin and its water supply,  
2 consistent with the rights declared in the Judgment.

3 (v) Prescriptive Pumping Right -- The highest continuous extraction of  
4 water by a Pumper from the Basin for beneficial use in any five (5) consecutive years  
5 after commencement of Overdraft and prior to filing of the action, as to which there has  
6 been no cessation of use by that Pumper during any subsequent period of five (5)  
7 consecutive years prior to the filing of said action.

8 (w) Produce or Producing -- To Pump or Divert water from the Basin.

9 (x) Producer -- A Party who Produces water from the Basin.

10 (y) Production -- The annual quantity of water Produced from the Basin,  
11 stated in acre-feet.

12 (z) Pump or Pumping -- To extract ground water from the Basin by  
13 Pumping or by any other method.

14 (aa) Pumper -- A Party who Pumps water.

15 (bb) Pumper's Share -- A Pumper's right to a percentage of the entire Natural  
16 Safe Yield, Operating Safe Yield and appurtenant Ground Water storage of the Basin.

17 (cc) Reclaimed Water -- Water which, as a result of treatment of waste, is  
18 suitable for a direct beneficial use or a controlled use that would not otherwise occur.

19 (dd) Relevant Watershed -- That portion of the San Gabriel River Watershed  
20 tributary to Whittier Narrows which is shown as such on Exhibit "A" to the Judgment  
21 and the exterior boundaries of which are described in Exhibit "B" of the Judgment.

22 (ee) Replacement Water -- Water purchased by Watermaster to replace: (1)  
23 Production in excess of a Pumper's Share of Operating Safe Yield; (2) the consumptive  
24 use portion resulting from the exercise of an Overlying Right; and (3) Production in  
25 excess of a Diverter's right to Divert for Direct Use.

26 (ff) Responsible Agency -- The municipal water district which is the normal

1 and appropriate source from whom Watermaster shall purchase Supplemental Water for  
2 replacement purposes under the Physical Solution of the Judgment, being one of the  
3 following:

4 (1) Upper District -- Upper San Gabriel Valley Municipal Water  
5 District, a member public agency of The Metropolitan Water District of Southern  
6 California (MWD).

7 (2) San Gabriel District -- San Gabriel Valley Municipal Water  
8 District, which has a direct contract with the State of California for State Project water.

9 (3) Three Valleys District -- Three Valleys Municipal Water District,  
10 a member public agency of MWD.

11 (gg) Stored Water -- Supplemental Water stored in the Basin pursuant to a  
12 Cyclic Storage Agreement with Watermaster as authorized by Section 34(n) of the  
13 Judgment herein.

14 (hh) Supplemental Water -- Non-tributary water imported through a  
15 Responsible Agency and Reclaimed Water.

16 (ii) Transporting Parties -- Any Party who has transported water from the  
17 Relevant Watershed or Basin to an area outside thereof within the Year immediately  
18 preceding the entry of Judgment, and any Party presently or hereafter having an interest  
19 in lands or having a service area outside the Basin or Relevant Watershed contiguous to  
20 lands in which it has an interest or a service area within the Basin or Relevant  
21 Watershed. Division by a road, highway, or easement shall not interrupt contiguity.  
22 Said term shall also include the City of Sierra Madre, or any Party supplying water  
23 thereto, so long as the corporate limits of said City are included within one of the  
24 Responsible Agencies.

25 (jj) Water Level -- The measured Elevation of water in the Key Well,  
26 corrected for any temporary effects of mounding caused by replenishment or local

1 depressions caused by Pumping.

2 (kk) Year -- A calendar year, unless the context clearly indicates a contrary  
3 meaning.

4 **The following are supplemental definitions relating to Section 28 of these**  
5 **rules and regulations.**

6 (ll) New Extraction -- Any extraction from the Main San Gabriel Basin  
7 using a well or other Ground Water extraction facility that becomes active for the first  
8 time for water supply purposes on ,or after June 28, 1991.

9 (mm) Increased Extraction (Decreased) -- Any modification to an existing well  
10 or extraction facility that physically increases (or decreases) the Effective Extraction  
11 Capacity of that well or extraction facility. Such modifications may include: (1)  
12 changing the well depth, (2) modifying the perforation intervals, (3) modifying the  
13 pump and/or motor, (4) installing or modifying distribution pipelines, (5) installing or  
14 modifying booster pumps, and (6) installing or modifying other distribution system  
15 components. Normal maintenance work would be excluded.

16 (nn) Effective Extraction Capacity -- The actual capacity of a well or  
17 extraction facility to extract Ground Water from the Basin using the pumping  
18 equipment and system appurtenances in good working order as they existed on June 28,  
19 1991.

20 (oo) Treatment Facility -- Any facility that provides treatment for  
21 contaminated Ground Water in order to meet drinking water standards.

22 (pp) Planned Treatment -- A specific Treatment Facility with a designated  
23 source of Ground Water supply and schedule for development.

24 (qq) Active Well -- Any well used or that could be used without  
25 modifications to extract Ground Water.

26 (rr) Inactive Well -- Any well that is not in service at the time of filing of an

1 application hereinunder.

2 (ss) Abandoned Well -- A well that has been abandoned in accordance with  
3 the provisions of state, county or local laws and regulations.

4 (tt) High-level Degradation and Contamination -- Ground Water containing  
5 contaminants in excess of the federal or state maximum contaminant level. Some areas  
6 of the Basin contain higher contaminant concentrations than others and Treatment  
7 Facilities shall be planned to extract Ground Water from the higher level areas of  
8 contamination in the Basin.

9 (uu) Replacement Well -- A new well that will replace an existing well due to  
10 structural or mechanical failure, which is located in the same general vicinity and which  
11 has the same physical characteristics (size, depth, perforation intervals) and design  
12 extraction capacity as the well it is replacing.

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## APPENDIX "B"

### SUMMARY OF CRITICAL DATES AND ACTIONS FOR WATERMASTER

This summary of critical dates and actions for Watermaster is presented for the convenience of Watermaster members, the Parties and others in carrying out the provisions of the Court Judgment. It does not necessarily include all critical dates and actions under the Judgment.

SUMMARY OF CRITICAL DATES AND ACTIONS FOR WATERMASTER

1. Watermaster members' terms of office.

January 1 - December 31.

2. Watermaster's first meeting in January.

(a) Election of Watermaster Chairman and Vice-Chairman (from Watermaster membership) and selection of Secretary, Treasurer and assistants (who may, but need not, be Watermaster members). Watermaster Rules and Regulations, Section 6 (R/R 6)

(b) Order Engineering Report for Preliminary Determination of Operating Safe Yield. (R/R 14(a))

3. January 31 - Quarterly Reports, as required by the Rules and Regulations, of Production (R/R 13), Cyclic Storage (R/R 26(h)) and data required by Section 28 (d), due to Watermaster.

4. March - Receive San Gabriel River Watermaster Report.

5. Watermaster's first meeting in April.

Watermaster shall make a Preliminary Determination of the Operating Safe Yield of the Basin for the next five Fiscal Years and mail a copy thereof to all Parties at least ten (10) days prior to a hearing thereon and which said hearing shall commence at Watermaster's first meeting in May. (R/R 14(a))

6. April 30 - Quarterly Reports, as required by the Rules and Regulations, of Production (R/R 13), Cyclic Storage (R/R 26(h)) and data required by Section 28 (d), due to Watermaster.

7. Watermaster's first meeting in May.

(a) Hearing on Preliminary Determination for Watermaster to make Final Determination of Operating Safe Yield. (R/R 14(b)) Within thirty (30) days of the Final Determination of the Operating Safe Yield a copy of the Final Report



1 and Determination must be mailed to each Pumper and Integrated Producer,  
2 including a statement of their entitlements under such Determination.(R/R  
3 14(c))

4 (b) Budget.

5 Adopt a proposed Administration Budget for the succeeding Fiscal Year and  
6 within fifteen (15) days mail a copy thereof together with a statement of the  
7 level of the Administration Assessment levied by Watermaster which will be  
8 collected for purposes of raising the necessary funds for said budget. (R/R  
9 18(a))

10 (c) Assessments.

11 In addition to the Administration Assessment, Watermaster shall levy the  
12 Replacement Water Assessment, Make-up Obligation Assessment and the In-  
13 lieu Water Assessments, if any. (R/R 19)

- 14 8. June 1 - Watermaster to supply Producers with projections of contaminant  
15 migration by June 1. (R/R 28(g))
- 16 9. July - Authorize preparation of Annual Watermaster Report. Receive tentative  
17 budget from San Gabriel River Watermaster.
- 18 10. July 31 - Quarterly Reports, as required by the Rules and Regulations, of  
19 Production (R/R 13), Cyclic Storage (R/R 26(h)) and data required by Section  
20 28 (d), due to Watermaster. Producers of potable water from the Basin must  
21 submit to Watermaster the data required by Section 28(g).
- 22 11. August 15 - On or before this date Watermaster must give written notice of all  
23 applicable Assessments to all Parties. (R/R 19)
- 24 12. September 20 - All Assessments payable to Watermaster. (R/R 19(a))
- 25 13. September 30 - Must pay Upper Area share of San Gabriel River Watermaster  
26 budget by this date.

14. October 1 - Mail Notice of Nomination Election of Producer representatives to be held at Watermaster's November meeting. (R/R 19(a))
15. October 31 - Quarterly Reports, as required by the Rules and Regulations, of Production (R/R 13), Cyclic Storage (R/R 26(h)) and data required by Section 28 (d), due to Watermaster.
16. November
  - (a) Watermaster Annual Report filed with the Court and copies mailed to each Party by November 1. (R/R 24)
  - (b) Draft Annual Five-Year Water Quality and Supply Plan under Section 28 (g) to be filed with the Los Angeles Regional Quality Control Board and circulated for public review and comment by November 1.
  - (c) Prior to Watermaster's meeting in November, nomination of Public Representatives to Watermaster by Upper District and San Gabriel District.
  - (d) Watermaster's meeting in November--election of six Producer Representatives for nomination to Watermaster. (R/R 9(b)) Petition Court for confirmation of nominees and give notice of hearing on Petition to all Parties. Within ninety (90) days of a vacancy on Watermaster, it shall be filled by nomination by Upper District or San Gabriel District if for a Public Representative and by a special election at a Watermaster meeting for a Producer Representative, after notice thereof to all Parties, and Watermaster Petition (and notice thereof to all parties) for Court confirmation of nominee. (R/R 10)

**PERMANENT TRANSFER OF WATER RIGHTS - PRESCRIPTIVE PUMPING RIGHT**

For a valuable consideration, receipt of which is hereby acknowledged, \_\_\_\_\_

\_\_\_\_\_ ("Seller") does hereby assign and transfer in perpetuity to  
\_\_\_\_\_, ("Buyer") all rights to the quantity of  
\_\_\_\_\_ acre-feet of the "Prescriptive Pumping Right" and the appropriate % of "Pumper's Share"  
adjudicated to Seller or his predecessor in the Judgment in the case of Upper San Gabriel Valley Municipal  
Water District, v. City of Alhambra, et al, Los Angeles Superior Court No. 924128, together with all the  
attendant rights, powers and privileges pertaining thereto.

(Check appropriate provision)

This transfer does ☐ does not ☐ include \_\_\_\_\_ acre-feet of "carry-over of unused rights"  
associated with said transferred rights and in existence on the date hereof.

DATED: \_\_\_\_\_

BUYER

SELLER

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(Signature)

Name of Designee (of Buyer) to receive  
service of Processes and Notices:

\_\_\_\_\_  
\_\_\_\_\_

Address

Telephone No.: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(Signature)

Name of Designee (of Seller) to receive  
service of Processes and Notices:

\_\_\_\_\_  
\_\_\_\_\_

Address

Telephone No.: \_\_\_\_\_

To be executed by both Buyer and Seller and, if separately requested by Watermaster, be accompanied by a map of the  
service area where the water was used by Seller and a map of the service area where the water is intended to be used by  
the Buyer.

(Have the appropriate individual(s) or corporate attached acknowledgments completed by both Buyer and Seller as part  
of the transfer.)

A TRUE COPY HEREOF MUST BE FILED WITH WATERMASTER WITHIN 15 DAYS OF EXECUTION.

(To be accompanied by completed "Stipulation Re Intervention After Judgment" if Buyer is not a party to the Judgment)

EXHIBIT A-1

**CORPORATE ACKNOWLEDGMENT**

STATE OF CALIFORNIA     )§  
COUNTY OF LOS ANGELES )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, the undersigned Notary  
Public, personally appeared \_\_\_\_\_  
\_\_\_\_\_ known to me  
\_\_\_\_\_ proved to me on the basis of satisfactory evidence to be the person(s) who executed  
the within Instrument as

\_\_\_\_\_,  
or on behalf of the Corporation therein named, and acknowledged to me that the Corporation  
executed it.

WITNESS my hand and official seal.

Signature \_\_\_\_\_

\_\_\_\_\_  
Name (Typed or Printed)  
Notary Public in and for said  
County and State

(SEAL)

**INDIVIDUAL(S) ACKNOWLEDGMENT**

STATE OF CALIFORNIA     )§  
COUNTY OF LOS ANGELES )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, the undersigned Notary  
Public, personally appeared \_\_\_\_\_,  
\_\_\_\_\_ known to me  
\_\_\_\_\_ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s)  
\_\_\_\_\_ subscribed to the within instrument and acknowledged to me that \_\_\_\_\_ executed the  
same.

WITNESS my hand and official seal.

Signature \_\_\_\_\_

\_\_\_\_\_  
Name (Typed or Printed)  
Notary Public in and for said  
County and State

(SEAL)

**PERMANENT TRANSFER OF WATER RIGHTS – BASE ANNUAL DIVERSION RIGHT**

For a valuable consideration, receipt of which is hereby acknowledged, \_\_\_\_\_  
\_\_\_\_\_, (“Seller”) does hereby assign and transfer in perpetuity to  
\_\_\_\_\_, (“Buyer”) all rights to the quantity of  
\_\_\_\_\_ acre-feet of the “Base Annual Diversion Right” adjudicated to Seller or his predecessor in  
the Judgment in the case of Upper San Gabriel Valley Municipal Water District, v. City of Alhambra, et al,  
Los Angeles Superior Court No. 924128, together with all the attendant rights, powers and privileges  
pertaining thereto.

DATED: \_\_\_\_\_

BUYER

SELLER

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
Name of Designee (of Buyer) to receive  
service of Processes and Notices:  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
Address

\_\_\_\_\_  
Telephone No.: \_\_\_\_\_

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
Name of Designee (of Seller) to receive  
service of Processes and Notices:  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
Address

\_\_\_\_\_  
Telephone No.: \_\_\_\_\_

To be executed by both Buyer and Seller and, if separately requested by Watermaster, be accompanied by a map of the  
service area where the water was used by Seller and a map of the service area where the water is intended to be used by  
the Buyer.

(Have the appropriate individual(s) or corporate attached acknowledgments completed by both Buyer and Seller as part  
of the transfer.)

A TRUE COPY HEREOF MUST BE FILED WITH WATERMASTER WITHIN 15 DAYS OF EXECUTION.

(To be accompanied by completed “Stipulation Re Intervention After Judgment” if Buyer is not a party to the Judgment)

**CORPORATE ACKNOWLEDGMENT**

STATE OF CALIFORNIA     )§  
COUNTY OF LOS ANGELES )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, the undersigned Notary  
Public, personally appeared \_\_\_\_\_

\_\_\_\_\_ known to me  
\_\_\_\_\_ proved to me on the basis of satisfactory evidence to be the person(s) who executed  
the within Instrument as

\_\_\_\_\_,  
or on behalf of the Corporation therein named, and acknowledged to me that the Corporation  
executed it.

WITNESS my hand and official seal.

Signature \_\_\_\_\_

\_\_\_\_\_  
Name (Typed or Printed)  
Notary Public in and for said  
County and State

(SEAL)

**INDIVIDUAL(S) ACKNOWLEDGMENT**

STATE OF CALIFORNIA     )§  
COUNTY OF LOS ANGELES )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, the undersigned Notary  
Public, personally appeared \_\_\_\_\_,

\_\_\_\_\_ known to me  
\_\_\_\_\_ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s)  
\_\_\_\_\_ subscribed to the within instrument and acknowledged to me that \_\_\_\_\_ executed the  
same.

WITNESS my hand and official seal.

Signature \_\_\_\_\_

\_\_\_\_\_  
Name (Typed or Printed)  
Notary Public in and for said  
County and State

(SEAL)

**PERMANENT TRANSFER OF WATER RIGHTS – INTEGRATED PRODUCTION RIGHT**

For a valuable consideration, receipt of which is hereby acknowledged, \_\_\_\_\_

\_\_\_\_\_ (“Seller”) does hereby assign and transfer in perpetuity to  
\_\_\_\_\_, (“Buyer”) all rights to the quantity of  
\_\_\_\_\_ acre-feet of the “Diversion Component” adjudicated to Seller or his predecessor in the  
Judgment in the case of Upper San Gabriel Valley Municipal Water District, v. City of Alhambra, et al, Los  
Angeles Superior Court No. 924128, together with all the attendant rights, powers and privileges pertaining  
thereto.

(Check appropriate provision)

This transfer does ☐ does not ☐ include \_\_\_\_\_ acre-feet of “carry-over of unused rights”  
associated with said transferred rights and in existence on the date hereof.

DATED: \_\_\_\_\_

BUYER

SELLER

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Signature)

Name of Designee (of Buyer) to receive  
service of Processes and Notices:

Name of Designee (of Seller) to receive  
service of Processes and Notices:

\_\_\_\_\_  
Address

\_\_\_\_\_  
Address

Telephone No.: \_\_\_\_\_

Telephone No.: \_\_\_\_\_

To be executed by both Buyer and Seller and, if separately requested by Watermaster, be accompanied by a map of the  
service area where the water was used by Seller and a map of the service area where the water is intended to be used by  
the Buyer.

(Have the appropriate individual(s) or corporate attached acknowledgments completed by both Buyer and Seller as part  
of the transfer.)

A TRUE COPY HEREOF MUST BE FILED WITH WATERMASTER WITHIN 15 DAYS OF EXECUTION.

(To be accompanied by completed “Stipulation Re Intervention After Judgment” if Buyer is not a party to the Judgment)

EXHIBIT C-1

**CORPORATE ACKNOWLEDGMENT**

STATE OF CALIFORNIA     )§  
COUNTY OF LOS ANGELES )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, the undersigned Notary  
Public, personally appeared \_\_\_\_\_

\_\_\_\_\_ known to me  
\_\_\_\_\_ proved to me on the basis of satisfactory evidence to be the person(s) who executed  
the within Instrument as

\_\_\_\_\_,  
or on behalf of the Corporation therein named, and acknowledged to me that the Corporation  
executed it.

WITNESS my hand and official seal.

Signature \_\_\_\_\_

\_\_\_\_\_  
Name (Typed or Printed)  
Notary Public in and for said  
County and State

(SEAL)

**INDIVIDUAL(S) ACKNOWLEDGMENT**

STATE OF CALIFORNIA     )§  
COUNTY OF LOS ANGELES )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, the undersigned Notary  
Public, personally appeared \_\_\_\_\_,

\_\_\_\_\_ known to me  
\_\_\_\_\_ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s)  
\_\_\_\_\_ subscribed to the within instrument and acknowledged to me that \_\_\_\_\_ executed the  
same.

WITNESS my hand and official seal.

Signature \_\_\_\_\_

\_\_\_\_\_  
Name (Typed or Printed)  
Notary Public in and for said  
County and State

(SEAL)



**TEMPORARY ASSIGNMENT OR LEASE OF WATER RIGHT**

For a valuable consideration, receipt of which is hereby acknowledged, \_\_\_\_\_  
("Assignor") does hereby assign and transfer to \_\_\_\_\_, ("Assignee")  
commencing on \_\_\_\_\_ and terminating \_\_\_\_\_, on the following water right(s):

(Check following appropriate category)

☐ Production Right \_\_\_\_\_ AF  
☐ Prescriptive Pumping Right \_\_\_\_\_ AF  
☐ Base Annual Diversion Right \_\_\_\_\_ AF

☐ Integrated Production Right (consisting of  
\_\_\_\_\_ AF of "Prescriptive Pumping  
Component" and \_\_\_\_\_ AF of  
"Diversion Component")  
☐ Carryover Right \_\_\_\_\_ AF

adjudicated to Assignor or his predecessor in the Judgment in the case of "Upper San Gabriel Valley Municipal Water District,  
v. City of Alhambra, et al," Los Angeles Superior Court No. 924128.

Said assignment is made upon condition that:

- (1) Assignee shall exercise said right on behalf of Assignor for the period described hereinabove and the first water produced by Assignee from the Relevant Watershed of the Main San Gabriel Basin after the date hereof shall be that produced hereunder;
- (2) Assignee shall put all waters utilized pursuant to said transfer to reasonable beneficial use; and
- (3) Assignee shall pay all Watermaster assessments on account of the water production hereby assigned or leased.

DATED: \_\_\_\_\_

ASSIGNEE

ASSIGNOR

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Name of Designee (of Assignee) to receive  
service of Processes and Notices:

\_\_\_\_\_  
Address

\_\_\_\_\_  
Tel. No.: \_\_\_\_\_

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Name of Designee (of Assignor) to receive  
service of Processes and Notices:

\_\_\_\_\_  
Address

\_\_\_\_\_  
Tel. No.: \_\_\_\_\_

To be executed by both Assignee and Assignor and, if separately requested by Watermaster, be accompanied by a map of the service area where the water was used by Assignor and a map of the service area where the water is intended to be used by the Assignee.

(Have the appropriate individual(s) or corporate attached acknowledgments completed as part of the temporary transfer.)

A TRUE COPY HEREOF MUST BE FILED WITH WATERMASTER WITHIN 15 DAYS OF EXECUTION  
(To be accompanied by completed "Stipulation Re Intervention After Judgment" if Assignee is not a party to the Judgment)

**CORPORATE ACKNOWLEDGMENT**

STATE OF CALIFORNIA     )§  
COUNTY OF LOS ANGELES )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, the undersigned Notary  
Public, personally appeared \_\_\_\_\_  
\_\_\_\_\_ known to me  
\_\_\_\_\_ proved to me on the basis of satisfactory evidence to be the person(s) who executed  
the within Instrument as

\_\_\_\_\_,  
or on behalf of the Corporation therein named, and acknowledged to me that the Corporation  
executed it.

WITNESS my hand and official seal.

Signature \_\_\_\_\_  
\_\_\_\_\_  
Name (Typed or Printed)  
Notary Public in and for said  
County and State

(SEAL)

**INDIVIDUAL(S) ACKNOWLEDGMENT**

STATE OF CALIFORNIA     )§  
COUNTY OF LOS ANGELES )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, the undersigned Notary  
Public, personally appeared \_\_\_\_\_,  
\_\_\_\_\_ known to me  
\_\_\_\_\_ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s)  
\_\_\_\_\_ subscribed to the within instrument and acknowledged to me that \_\_\_\_\_ executed the  
same.

WITNESS my hand and official seal.

Signature \_\_\_\_\_  
\_\_\_\_\_  
Name (Typed or Printed)  
Notary Public in and for said  
County and State

(SEAL)

1 NOSSAMAN, GUTHNER, KNOX & ELLIOTT, LLP  
2 FREDERIC A. FUDACZ, State Bar No. 050546  
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4 445 South Figueroa Street, 31st Floor  
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8 Attorneys for Main San Gabriel Basin Watermaster

**EXEMPT FROM FILING FEES  
GOVERNMENT CODE § 6103**

8 SUPERIOR COURT OF THE STATE OF CALIFORNIA  
9 FOR THE COUNTY OF LOS ANGELES

11 Upper San Gabriel Valley Municipal Water )  
12 District, )  
13 Plaintiff, )  
14 vs. )  
15 City of Alhambra, et al, )  
16 Defendant )  
17 )  
18 )

Case No.: C 924128  
STIPULATION RE INTERVENTION  
AFTER JUDGMENT OF  
\_\_\_\_\_

19 IT IS HEREBY STIPULATED by and between the Main San Gabriel Basin  
20 Watermaster for and on behalf of all parties to the instant action (pursuant to Section  
21 57 of the amended Judgment) and \_\_\_\_\_, the  
22 proposed Intervenor(s) herein, that said proposed Intervenor(s) may intervene in the  
23 instant action and become entitled to all of the benefits and bound by all of the  
24 burdens of the Judgment herein.

25  
26 The Court will consider the attached proposed Order confirming said  
27 Intervention at \_\_\_\_\_ o'clock \_\_\_\_\_ on \_\_\_\_\_ 20\_\_\_\_, in  
28 Department 38, located at 111 North Hill Street, Los Angeles, California 90012.

1 Watermaster shall give at least 30 days notice to the parties herein of said  
2 hearing.

3  
4 DATED: WATERMASTER

5  
6 By \_\_\_\_\_  
7 Chairman

8 Attest:

9  
10 \_\_\_\_\_  
11 Secretary

12  
13 DATED: \_\_\_\_\_ INTERVENOR(S)

14 \_\_\_\_\_  
15  
16 By \_\_\_\_\_

17  
18 By \_\_\_\_\_

19  
20 Name of Intervenor's Designee:

21 \_\_\_\_\_  
22 Address of Designee:

23 \_\_\_\_\_  
24 \_\_\_\_\_  
25  
26 Telephone Number of Designee:

27 \_\_\_\_\_  
28

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9 SUPERIOR COURT OF THE STATE OF CALIFORNIA  
10 FOR THE COUNTY OF LOS ANGELES

11 Upper San Gabriel Valley  
12 Municipal Water District,  
13 Plaintiff,

14 vs.

15 City of Alhambra, et al,  
16 Defendant

Case No.: C 924128

DESIGNEE TO RECEIVE FUTURE  
NOTICES FOR AND ON BEHALF OF  
DEFENDANT(S)

17  
18 Defendant(s)

19 hereby designates:

20 whose address is

21 and whose telephone number is \_\_\_\_\_ as said Defendant's Designee to  
22 receive service of all future notices, determinations, requests, demands, objections, reports and  
23 other papers and processes to be served upon said defendant(s) or delivered to said defendant(s)  
24 herein.

25  
26 A copy hereof has been served upon the Watermaster herein, by mail, on

27 \_\_\_\_\_, 20\_\_\_\_.

28 DESIGNEE TO RECEIVE FUTURE NOTICES FOR AND ON BEHALF OF DEFENDANT(S)- 1

1 Executed under penalties of perjury at \_\_\_\_\_, California,  
2 this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

3  
4 \_\_\_\_\_  
5  
6 \_\_\_\_\_  
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DESIGNEE TO RECEIVE FUTURE NOTICES FOR AND ON BEHALF OF DEFENDANT(S)- 2

**NOTICE OF TRANSFER OF OVERLYING RIGHTS  
WITH PROPERTY TO WHICH THEY ARE APPURTENANT**

On \_\_\_\_\_, 20\_\_\_\_, the undersigned (or his predecessor), adjudged Overlying Rights on the property described in Exhibit 1 attached hereto and by this inference incorporated herein, in the case of "UPPER SAN GABRIEL VALLEY MUNICIPAL WATER DISTRICT, v. CITY OF ALHAMBRA, ET AL," Los Angeles Superior Court No. 924128, transferred said property and said Overlying Rights appurtenant thereto to \_\_\_\_\_, whose address is \_\_\_\_\_, and whose telephone number is \_\_\_\_\_.

That said transferee hereby names \_\_\_\_\_  
Whose address is \_\_\_\_\_ and  
whose telephone number is \_\_\_\_\_ as his/her Designee to receive all  
future notices and processes in said action.

DATED: \_\_\_\_\_

BUYER

SELLER

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
(Signature)

To be executed by both Buyer and Seller and, if separately requested by Watermaster, be accompanied by a map of the service area where the water was used by Seller and a map of the service area where the water is intended to be used by the Buyer.

(Have the appropriate individual(s) or corporate attached acknowledgments completed as part of the transfer, and include Exhibit 1)

A TRUE COPY HEREOF MUST BE FILED WITH WATERMASTER WITHIN 15 DAYS OF EXECUTION.

(To be accompanied by completed "Exhibit E" if Buyer is not a party to the Judgment)

**CORPORATE ACKNOWLEDGMENT**

STATE OF CALIFORNIA )§  
COUNTY OF LOS ANGELES )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, the undersigned Notary  
Public, personally appeared \_\_\_\_\_

\_\_\_\_\_ known to me  
\_\_\_\_\_ proved to me on the basis of satisfactory evidence to be the person(s) who executed  
the within Instrument as

\_\_\_\_\_,  
or on behalf of the Corporation therein named, and acknowledged to me that the Corporation  
executed it.

WITNESS my hand and official seal.

Signature \_\_\_\_\_

\_\_\_\_\_  
Name (Typed or Printed)  
Notary Public in and for said  
County and State

(SEAL)

**INDIVIDUAL(S) ACKNOWLEDGMENT**

STATE OF CALIFORNIA )§  
COUNTY OF LOS ANGELES )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, the undersigned Notary  
Public, personally appeared \_\_\_\_\_,

\_\_\_\_\_ known to me  
\_\_\_\_\_ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s)  
\_\_\_\_\_ subscribed to the within instrument and acknowledged to me that \_\_\_\_\_ executed the  
same.

WITNESS my hand and official seal.

Signature \_\_\_\_\_

\_\_\_\_\_  
Name (Typed or Printed)  
Notary Public in and for said  
County and State

(SEAL)



Mailing Address:  
725 North Azusa Ave.  
Azusa, CA 91702

MAIN SAN GABRIEL BASIN WATERMASTER  
SUPERIOR COURT CASE NO. 924128-LOS ANGELES COUNTY

(State Well Number)

(Recordation Number)

(Owner's Designation)

APPLICATION TO DRILL WATER WELL

(To Be Completed by Watermaster)

(1) APPLICANT:

Name \_\_\_\_\_  
Address \_\_\_\_\_

(2) LOCATION OF PROPOSED WELL:

Well Address: \_\_\_\_\_  
Township, Range, and Section \_\_\_\_\_  
Thomas Brothers Guide (Please indicate year, page number and coordinates.) \_\_\_\_\_

Assessor's Parcel No. \_\_\_\_\_

(Please attach copy of a map or sketch showing well location relative to streets or other major landmarks.)

(3) NAME OF WELL DRILLING CONTRACTOR: \_\_\_\_\_

(4) PROPOSED USE:

Municipal ( ) Irrigation ( ) Rotary ( )  
Domestic ( ) Industrial ( ) Cable ( )  
Water Quality Cleanup ( ) Other ( ) \_\_\_\_\_

(5) DRILLING EQUIPMENT:

(6) PROPOSED WELL CHARACTERISTICS:

A. Casing Installed: Gravel Packed:  
STEEL ( ) PLASTIC ( ) Yes ( ) No ( ) Size \_\_\_\_\_  
OTHER ( )

From ft.	To ft.	Diam. ft.	Gage or Wall	Diameter of Bore	Packed From ft.	To ft.

Size of shoe or well ring: \_\_\_\_\_

Describe joint \_\_\_\_\_

B. Perforations or Screen:

Type of perforation or size of screen

From ft.	To ft.	Perf. per row	Rows per ft.	Slot Size

C. Construction:

Will a surface sanitary seal be provided? Yes ( ) No ( )

To what depth? \_\_\_\_\_ ft.

Is any strata anticipated to be sealed against pollution?

Yes ( ) No ( )

If yes, note anticipated depth of strata

from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Proposed method sealing \_\_\_\_\_

(7) WELL TESTS:

Will a pump test be made? Yes ( ) No ( ) If yes by whom?

Anticipated Well Yield \_\_\_\_\_

Will a chemical analysis be made? Yes ( ) No ( )

Will an electric log be made of well? Yes ( ) No ( ) (If yes, file

Copy with Watermaster upon well completion)

(8) PROPOSED PUMPING EQUIPMENT:

(A) Pump

Electric ( ) Natural Gas ( )

Propane ( ) Diesel ( )

Other ( ) \_\_\_\_\_

(B) Make \_\_\_\_\_

(C) Pump Size (hp) \_\_\_\_\_ (gpm) \_\_\_\_\_

(D) Design Efficiency \_\_\_\_\_

(9) PROXIMITY TO POTENTIAL SOURCES OF CONTAMINATION:

(A) Distance to nearest sewer line or septic tank \_\_\_\_\_ (ft.)

(B) Wells (Please provide distance, direction and name of nearest upgradient well(s) with volatile organic chemical or nitrate levels above a maximum contaminant level, if known.)

(10) Please provide copy of County of Los Angeles permits and State Department of Water Resources Water Well Driller Reports and any other permits for construction of a new well upon completion of proposed well.

(11) Please provide Watermaster with copies of all feasibility studies, alternative water supply sources, water quality studies or other reports which validate the Applicant's need to drill a new well. Applicant must provide supporting data to show compliance with the requirements of Section 28 with particular reference to Section 28(e) of Watermaster's Rules and Regulations.

I hereby agree to comply with all regulations of the Main San Gabriel Basin Watermaster pertaining to well construction, repair, modification, destruction and inactivation. The applicant will furnish the Watermaster a complete well log upon completion of well construction.

Submitted for Applicant by: \_\_\_\_\_

Signature: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Date Received by Watermaster: \_\_\_\_\_

Watermaster Action: Approved ( ) Denied ( )

Date of Action: \_\_\_\_\_

Permit Number: \_\_\_\_\_

By: \_\_\_\_\_

(Name)

(Title)

## WELL LOCATION SKETCH

**Township** \_\_\_\_\_ **N/S**  
**Range** \_\_\_\_\_ **E/W**  
**Section No.** \_\_\_\_\_

- 

- EXHIBIT H-2

Mailing Address:  
725 North Azusa Ave.  
Azusa, CA 91702

MAIN SAN GABRIEL BASIN WATERMASTER  
SUPERIOR COURT CASE NO. 924128-LOS ANGELES COUNTY

(State Well Number)  
(Recordation Number)  
(Owner's Designation)

APPLICATION TO MODIFY EXISTING WATER WELL

(1) APPLICANT:

Name \_\_\_\_\_  
Address \_\_\_\_\_

(2) LOCATION OF PROPOSED WELL:

Well Address: \_\_\_\_\_  
Township, Range, and Section \_\_\_\_\_  
Thomas Brothers Guide (Please indicate year, page number and coordinates.) \_\_\_\_\_

Assessor's Parcel No. \_\_\_\_\_

(Please attach copy of a map or sketch showing well location relative to streets or other major landmarks.) \_\_\_\_\_

(3) NAME OF WELL DRILLING CONTRACTOR: \_\_\_\_\_

(4) TYPE OF WORK:

Deepening ( ) Modify Perforations ( ) Increase Yield ( )

Reconditioning ( ) Other ( ) \_\_\_\_\_

(5) PROPOSED USE:

Municipal ( ) Irrigation ( ) Rotary ( )

Domestic ( ) Industrial ( ) Cable ( )

Water Quality Cleanup ( ) Other ( ) \_\_\_\_\_

Other ( ) \_\_\_\_\_

(7A) CASING INSTALLED (existing):

STEEL ( ) PLASTIC ( )

OTHER ( ) \_\_\_\_\_

Gravel Packed:

Yes ( ) No ( ) Size \_\_\_\_\_

From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	Packed	From ft.	To ft.

Size of shoe or well ring: \_\_\_\_\_

Describe joint \_\_\_\_\_

(7B) CASING INSTALLED (proposed):

STEEL ( ) PLASTIC ( )

OTHER ( ) \_\_\_\_\_

Gravel Packed:

Yes ( ) No ( ) Size \_\_\_\_\_

From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	Packed	From ft.	To ft.

Size of shoe or well ring: \_\_\_\_\_

Describe joint \_\_\_\_\_

(8A) PERFORATIONS OR SCREEN (existing):

Type of perforation or size of screen \_\_\_\_\_

From ft.	To ft.	Perf. per row	Rows per ft.	Slot Size

(8B) PERFORATIONS OR SCREEN (proposed):

Type of perforation or size of screen \_\_\_\_\_

From ft.	To ft.	Perf. per row	Rows per ft.	Slot Size

(9A) EXISTING CONSTRUCTION:

Was a surface sanitary seal provided? Yes ( ) No ( )

To what depth? \_\_\_\_\_ ft.

Were any strata sealed against pollution? Yes ( ) No ( )

If yes, note depth of strata

from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Method of sealing \_\_\_\_\_

Will a surface sanitary seal be provided? Yes ( ) No ( )

To what depth? \_\_\_\_\_ ft.

Is any strata anticipated to be sealed against pollution? Yes ( ) No ( )

If yes, note depth of strata

from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Method of sealing \_\_\_\_\_

(10) WELL TESTS:

Was a pump test made? Yes ( ) No ( ) (If yes, attach most recent copy)

\_\_\_\_\_ gal. min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.

Temperature of water \_\_\_\_\_

Was a chemical analysis made? Yes ( ) No ( )

Was electric log made of well? Yes ( ) No ( ) (If yes, attach most recent copy)

(11) WELL LOG:

Total depth \_\_\_\_\_ ft. Depth of completed well \_\_\_\_\_ ft.

Formation: Describe by color, character, size of material and

structure \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

(Please attach copy of existing well log. If well log is not available, describe well lithology in space provided or on attached page.) \_\_\_\_\_

(12) HISTORIC WELL MODIFICATIONS:

(On an attached page, please provide a chronology of all historic well modifications which may have affected well yield or water quality.)

(13A) EXISTING WELL PUMP DATA:

A. Pump Type:

Electric ( ) Natural Gas ( ) Other ( )

Propane ( ) Diesel ( )

B. Pump Performance:

Horsepower \_\_\_\_\_ (GPM)

Design Efficiency \_\_\_\_\_

(13B) PROPOSED WELL PUMP DATA:

A. Pump Type:

Electric ( ) Natural Gas ( ) Other ( )

Propane ( ) Diesel ( )

B. Pump Performance:

Horsepower \_\_\_\_\_ (GPM)

Design Efficiency \_\_\_\_\_

(14) Please provide copy of County of Los Angeles permits and State Department of Water Resources Water Well Driller Reports and any other permits for modification of an existing well upon completion of modification of well.

(15) Please provide Watermaster with copies of all feasibility studies, alternative water supply sources, water quality studies or other reports which validate the Applicant's need to modify this well. Applicant must provide supporting data to show compliance with the requirements of Section 28 with particular reference to Section 28(e) of Watermaster's Rules and Regulations.

I hereby agree to comply with all regulations of the Main San Gabriel Basin Watermaster pertaining to well construction, operation, repair, modification, destruction and inactivation. The Applicant will furnish the Watermaster a complete well log upon completion of well modification.

Submitted for Applicant by: \_\_\_\_\_

Signature: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Date Received by Watermaster: \_\_\_\_\_

Watermaster Action:

Approved ( ) Denied ( )

Date of Action: \_\_\_\_\_

Permit Number: \_\_\_\_\_

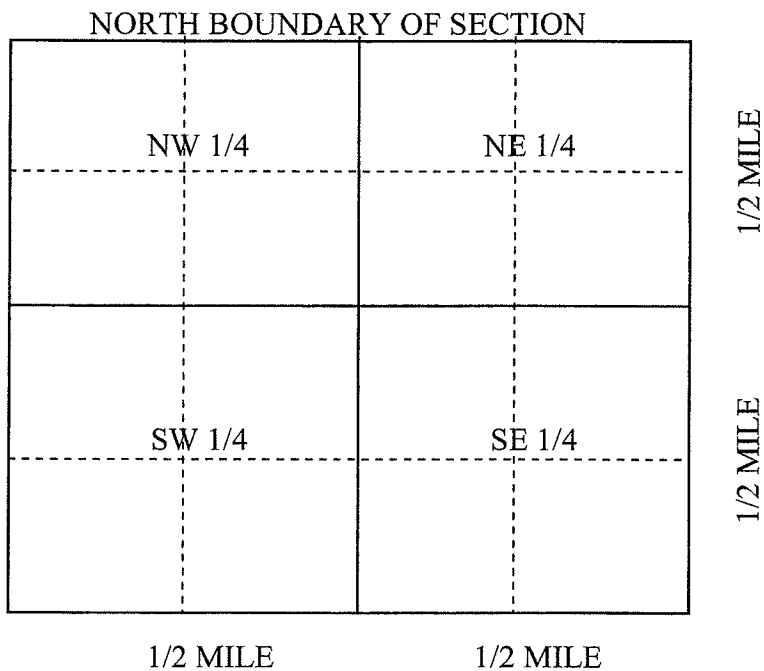
By: \_\_\_\_\_

(Name)

(Title)

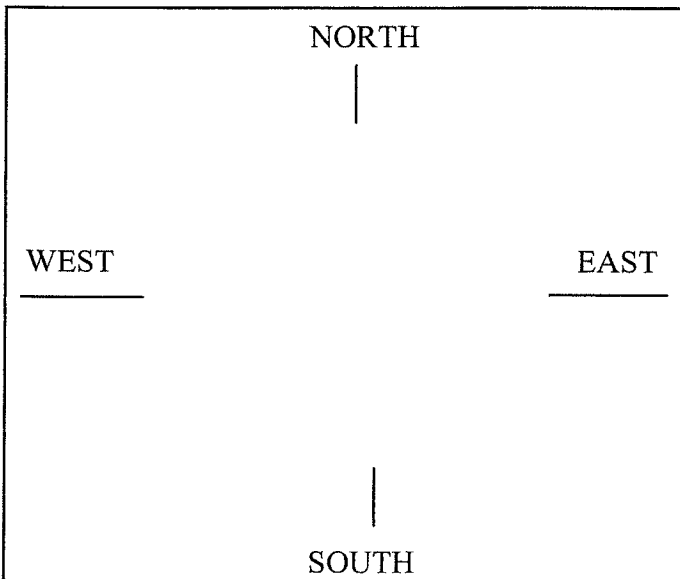
(9B) PROPOSED CONSTRUCTION:

# WELL LOCATION SKETCH



Township \_\_\_\_\_ N/S  
 Range \_\_\_\_\_ E/W  
 Section No. \_\_\_\_\_

- A. Location of well in sectionized areas.**  
 Sketch roads, railroads, streams, or other features  
 as necessary.



- B. Location of well in areas not sectionized.**  
 Sketch roads, railroads, streams, or other  
 features as necessary. Indicate distances.

Mailing Address:  
725 North Azusa Ave.  
Azusa, CA 91702

MAIN SAN GABRIEL BASIN WATERMASTER  
SUPERIOR COURT CASE NO. 924128-LOS ANGELES COUNTY

(State Well Number)

(Recordation Number)

(Owner's Designation)

APPLICATION TO DESTROY WELL

(1) APPLICANT:

Name \_\_\_\_\_  
Address \_\_\_\_\_

(2) LOCATION OF WELL:

Well Address: \_\_\_\_\_  
Township, Range, and Section \_\_\_\_\_  
Thomas Brothers Guide (Please indicate year, page number and coordinates.) \_\_\_\_\_

Assessor's Parcel No. \_\_\_\_\_

(Please attach copy of a map or sketch showing well location relative to streets or other major landmarks.) \_\_\_\_\_

(3) NAME OF WELL DRILLING CONTRACTOR: \_\_\_\_\_

(4) PURPOSE FOR DESTROYING WELL

Water Quality ( ) Physical ( )  
Other ( ) \_\_\_\_\_

(5) CURRENT USE:

Municipal ( ) Irrigation ( )  
Domestic ( ) Industrial ( )  
Water Quality Cleanup ( )  
Other ( ) \_\_\_\_\_

(6) EXISTING CASING INSTALLED:

STEEL ( ) PLASTIC ( ) Gravel Packed:  
OTHER ( ) Yes ( ) No ( ) Size \_\_\_\_\_

From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	Packed From ft.	To ft.

Size of shoe or well ring: \_\_\_\_\_

Describe joint \_\_\_\_\_

(7) EXISTING PERFORATIONS OR SCREEN:

Type of perforation or size of screen

From ft.	To ft.	Perf. per row	Rows per ft.	Slot Size

(8) CONSTRUCTION:

Was a surface sanitary seal provided? Yes ( ) No ( )

To what depth? \_\_\_\_\_ ft.

Were any strata sealed against pollution? Yes ( ) No ( )

If yes, note depth of strata

from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Method of sealing \_\_\_\_\_

(9) WELL LOG: (Please provide a copy of well log.)

Total depth \_\_\_\_\_ ft. Depth of completed well \_\_\_\_\_ ft.

Formation: Describe by color, character, size of material and structure if well log cannot be provided.

\_\_\_\_\_ ft. to \_\_\_\_\_ ft.

(10) METHOD OF DESTROYING: (Please provide an explanation of how the well is to be destroyed including drawings showing the proposed method of destroying. Please provide copy of County of Los Angeles permits and State Department of Water Resources Water Well Drillers reports and any other permits for destruction of well following destruction of the well.)  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

I hereby agree to comply with all regulations of the Main San Gabriel Basin Watermaster pertaining to well construction, operation, repair, modification, destruction and inactivation. The Applicant will notify the Watermaster upon completion of well destruction.

Submitted for Applicant by: \_\_\_\_\_  
\_\_\_\_\_

Signature: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Date Received by Watermaster: \_\_\_\_\_

Watermaster Action:

Approved ( ) Denied ( )

Date of Action: \_\_\_\_\_

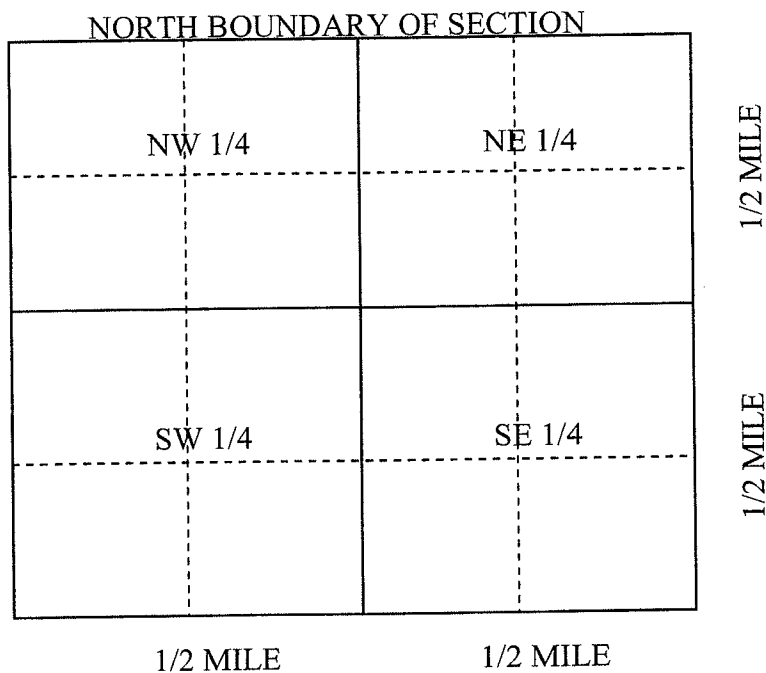
Permit Number: \_\_\_\_\_

By: \_\_\_\_\_

(Name)

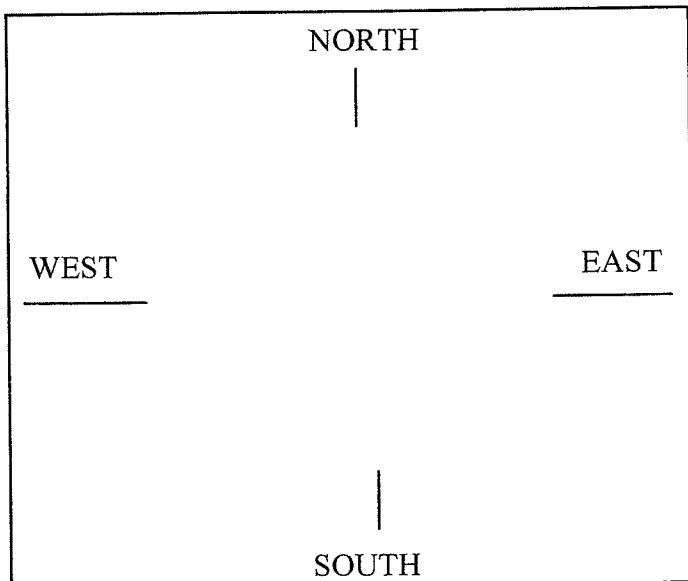
(Title)

## WELL LOCATION SKETCH



Township \_\_\_\_\_ N/S  
 Range \_\_\_\_\_ E/W  
 Section No. \_\_\_\_\_

- A. Location of well in sectionized areas.**  
 Sketch roads, railroads, streams, or other features as necessary.



- B. Location of well in areas not sectionized.**  
 Sketch roads, railroads, streams, or other features as necessary. Indicate distances.

Mailing Address:  
725 North Azusa Ave.  
Azusa, CA 91702

MAIN SAN GABRIEL BASIN WATERMASTER  
SUPERIOR COURT CASE NO. 924128-LOS ANGELES COUNTY

APPLICATION FOR WATER TREATMENT FACILITY

(1) APPLICANT:

Name \_\_\_\_\_  
Address \_\_\_\_\_

(2) LOCATION OF TREATMENT FACILITY:

Address \_\_\_\_\_  
Thomas Brothers Guide (Please indicate year, page number and coordinates.) \_\_\_\_\_

(Please include a map showing the location of the treatment facility relative to streets, buildings, water system facilities and other points of reference.)

(3) (A) NAME OF WATER TREATMENT FACILITY

CONTRACTOR: \_\_\_\_\_

(B) NAME OF DESIGN ENGINEER AND STATE

REGISTRATION NUMBER: \_\_\_\_\_

(4) PROPOSED ACTION AT TREATMENT FACILITY

Construction ( ) Modification ( ) Removal ( )

Destruction ( ) Other ( )

(5) DESCRIPTION OF FACILITY:

(A) Type of treatment:

Volatile Organic Chemical ( ) Nitrate ( ) Other ( )

(B) Please describe the treatment process to be used at the proposed treatment plant.

(C) Please list, by Owner Designation, all wells to be treated:

(6) ANTICIPATED TREATMENT FACILITY CAPACITY:

\_\_\_\_\_ Gallons Per Minute

\_\_\_\_\_ Acre-feet Per Year

(7) EXPECTED CONCENTRATION OF CONTAMINANTS:

Contaminant	Influent Concentration (Parts per Billion)	Effluent Concentration (Parts per Billion)	Contaminant Removal Rate (Percent)
Trichloroethylene (TCE)	_____	_____	_____
Tetrachloroethylene (PCE)	_____	_____	_____
1,1,1-Trichloroethane (1,1,1-TCA)	_____	_____	_____
Carbon Tetrachloride (CTC)	_____	_____	_____
1,1-Dichloroethylene (1,1-DCE)	_____	_____	_____
1,1-Dichloroethane (1,1-DCA)	_____	_____	_____
1,2-Dichloroethane (1,2-DCA)	_____	_____	_____
Others:	_____	_____	_____

(8) DISPOSITION OF ALL TREATED WATER:

(Please describe disposition of all treated water, and the corresponding annual amount of discharge.)

(9) INITIAL START-UP DATE:

(10) EXPECTED OPERATING SCHEDULE:

(A) Daily schedule \_\_\_\_\_

(B) Number of days each month (Please specify if operating schedule varies month-to-month)

(11) EXPECTED COSTS

(A) Capital cost: \$ \_\_\_\_\_

(B) Operation and maintenance: \$ \_\_\_\_\_ /AF.

(12) REGULATORY PERMITS: Please describe all necessary permits and/or all permits for which you have applied or have received from all regulatory agencies with regard to the proposed treatment facility. Please supply to Watermaster, copies of all environmental documents required under the California Environmental Quality Act and/or the National Environmental Protection Act.

(13) Applicant acknowledges it will comply with all portions of Section 28 of Watermaster's Rules and Regulations pertaining to quarterly data submittal, for treatment plant operation, to Watermaster. Specifically, at least the following data shall be provided on a quarterly basis:

- Name or other designation of treatment facility;
- Quantity of water treated during quarter;
- Quantity of each contaminant removed;
- Quality of water before treatment, at beginning and end of each quarter;
- Quality of water after treatment, at beginning and end of each quarter; and
- Operation and maintenance costs for each quarter.

(14) Please provide Watermaster with copies of all feasibility studies, alternative water supply sources, water quality studies or other reports which validate the Applicant's need to install a water treatment facility.

Applicant must provide supporting data to show compliance with the requirements of Section 28 with particular reference to Section 28(h) of Watermaster's Rules and Regulations.

I hereby agree to comply with all regulations of the Main San Gabriel Basin Watermaster pertaining to treatment plant construction, operation, repair, modification, destruction and inactivation.

Submitted for Applicant by: \_\_\_\_\_

Signature: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Date Received by Watermaster: \_\_\_\_\_

Watermaster Action:

Approved ( ) Denied ( )

Date of Action: \_\_\_\_\_

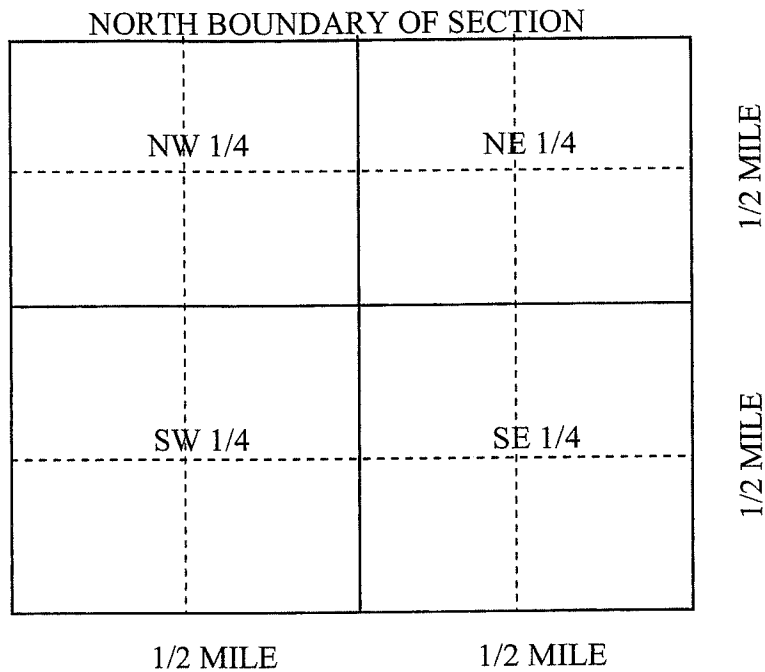
Permit Number: \_\_\_\_\_

By: \_\_\_\_\_

(Name)

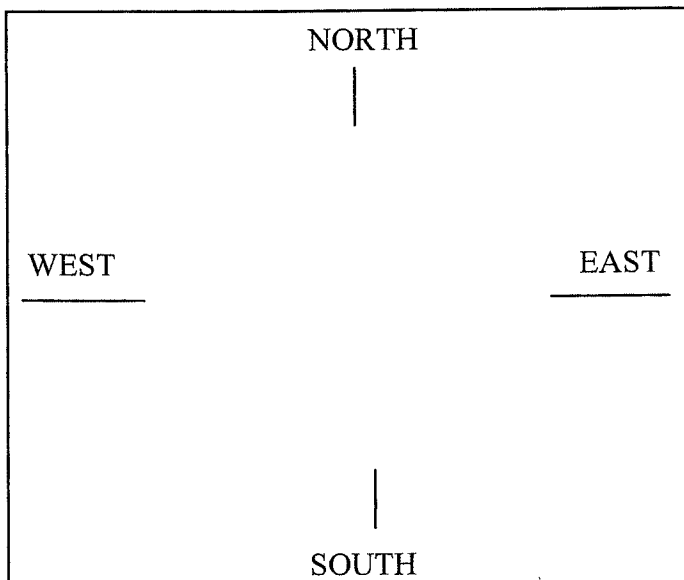
(Title)

# WELL LOCATION SKETCH



Township \_\_\_\_\_ N/S  
 Range \_\_\_\_\_ E/W  
 Section No. \_\_\_\_\_

- A. Location of well in sectionized areas.  
 Sketch roads, railroads, streams, or other features  
 as necessary.



- B. Location of well in areas not sectionized.  
 Sketch roads, railroads, streams, or other  
 features as necessary. Indicate distances.



**APPENDIX F**

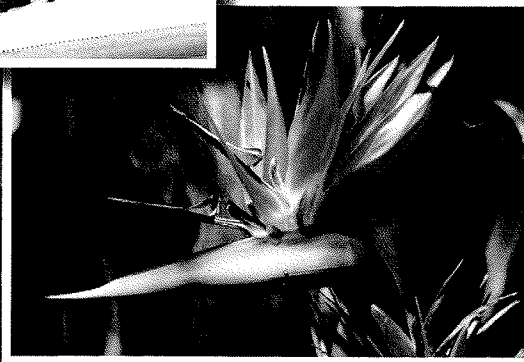
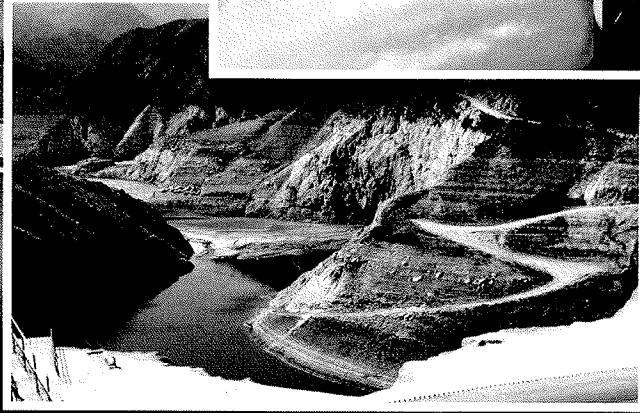
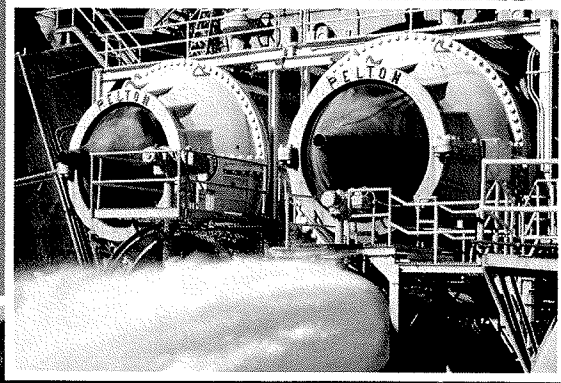
**FIVE-YEAR WATER QUALITY AND SUPPLY PLAN**

# Five-Year Water Quality and Supply Plan

2009-10 to 2013-14



Main San Gabriel Basin  
**WATERMASTER**



# **Five-Year Water Quality and Supply Plan**

November 2009



Main San Gabriel Basin  
**WATERMASTER**

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# INTRODUCTION

Watermaster prepares and annually updates this Five-Year Water Quality and Supply Plan (Five-Year Plan) in accordance with the requirements of Section 28 of its Rules and Regulations. The objective is to coordinate groundwater-related activities so that both water supply and water quality in the Main San Gabriel Basin (Basin) are protected and improved.

## PURPOSE OF THE FIVE-YEAR PLAN

Many important issues are detailed in the Five-Year Plan, including how Watermaster plans to:

1. monitor groundwater supply and quality;
2. develop projections of future groundwater supply and quality;
3. ensure adequate supplemental water is available for groundwater replenishment
4. review and cooperate on cleanup projects, and provide technical assistance to other agencies;
5. assure that pumping does not lead to further degradation of water quality in the Basin;
6. address emerging contaminants in the Basin;
7. develop a cleanup and water supply program consistent with the U.S. Environmental Protection Agency (USEPA) plans for its San Gabriel Basin Superfund sites; and
8. coordinate and manage the design, permitting, construction, and performance evaluation of the Baldwin Park Operable Unit (BPOU) cleanup and water supply plan.

## WATERMASTER BACKGROUND

The Los Angeles County Superior Court created the Main San Gabriel Basin Watermaster in 1973 to resolve water issues that had arisen among water users in the San Gabriel Valley. Watermaster's mission was to generally manage the water supply of the Main San Gabriel Groundwater Basin.

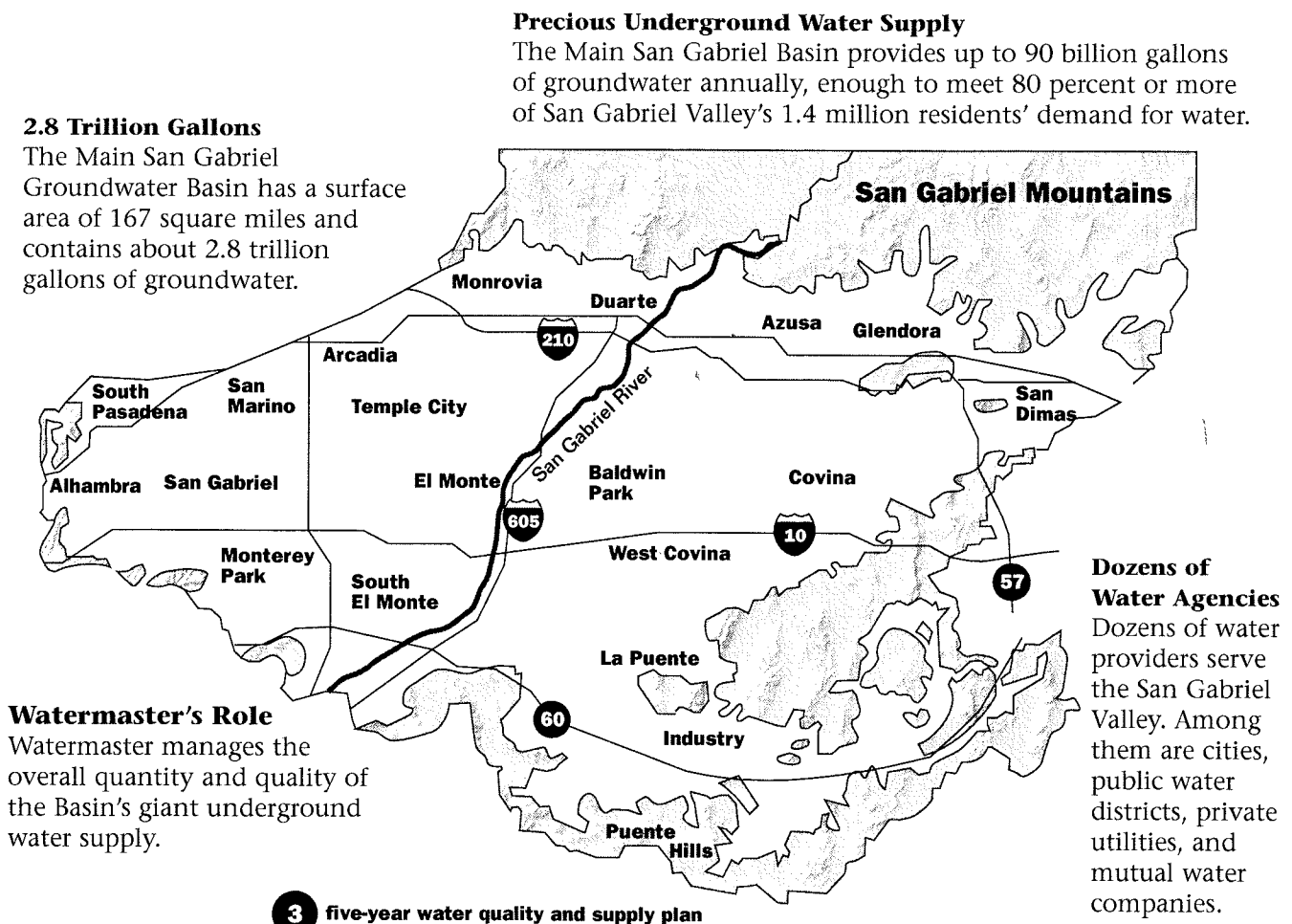
During the late 1970s and early 1980s, significant groundwater contamination was discovered in the Basin. The contamination was caused in part by past practices of local industries that had inappropriately disposed of industrial solvents, as well as by agricultural operations that infiltrated nitrates into the groundwater. Cleanup efforts for industrial contamination were undertaken at the local, state, and federal levels.

### **WATERMASTER RECEIVES WATER QUALITY RESPONSIBILITIES**

By 1989, local water agencies adopted a joint resolution regarding water quality issues that stated that Watermaster should coordinate local activities aimed at preserving and restoring the quality of groundwater in the Basin. The joint resolution also called for a cleanup plan.

In 1991, the Los Angeles County Superior Court granted Watermaster the authority to control pumping for water quality purposes. Accordingly, Watermaster added Section 28 to its Rules and Regulations regarding water quality management. The new responsibilities included: developing this Five-Year Water Quality and Supply Plan; updating it annually, and submitting it to the California Regional Water Quality Control Board, Los Angeles Region (Regional Board); and making it available for public review by November 1 of each year.

**Figure 1. AREA COVERED BY MAIN SAN GABRIEL BASIN**



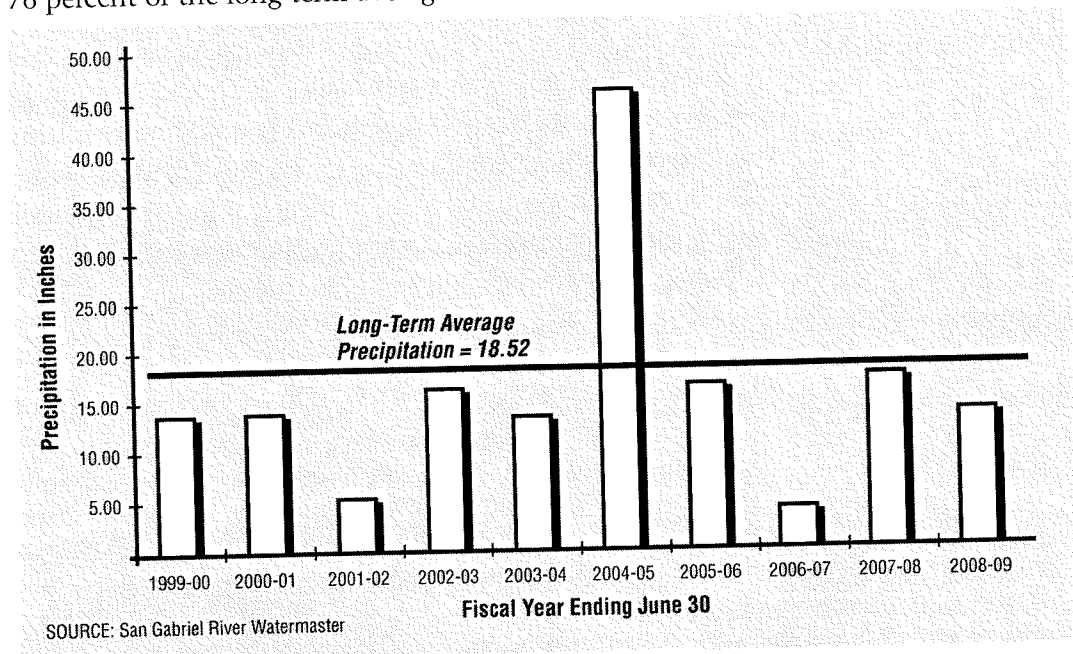
# CURRENT WATER SUPPLY CONDITIONS

Rainfall in the San Gabriel Valley averaged about 14 inches during 2008-09, or about 76 percent of the long-term average. As a result of the below average rainfall, the groundwater level decreased by about seven feet during fiscal year 2008-09.

## WATER SUPPLY INFLOWS DURING 2008-09

### VALLEY RECEIVES BELOW AVERAGE RAINFALL

In 2008-09, the San Gabriel Valley received about 14 inches of rain, which is about 76 percent of the long-term average of 18.52 inches.



**Figure 2. AVERAGE RAINFALL DURING THE LAST TEN YEARS**

Rainfall in 2008-09 was about 14 inches. Average precipitation in the Main San Gabriel Basin for the 10-year period from 1999-00 to 2008-09 was 16.7 inches. The long-term average rainfall is 18.52 inches. The rainfall total is made up of an average taken from four stations located in San Dimas, Diamond Bar, El Monte, and Pasadena.

### LOCAL STORMWATER CAPTURE 30 PERCENT OF AVERAGE

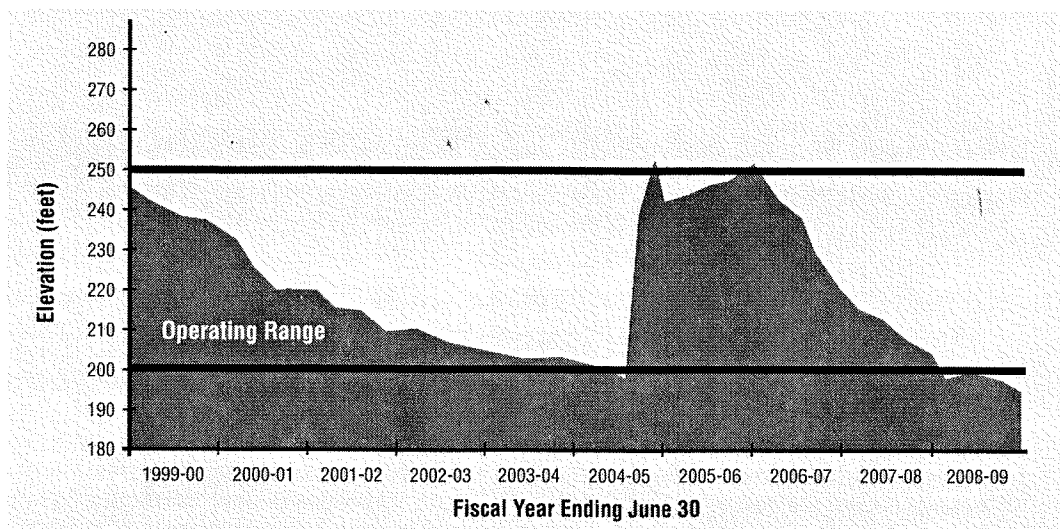
During fiscal year 2008-09 rainfall was about 76 percent of normal and contributed to runoff of about 70,000 acre-feet, which is about 67 percent of normal. Fiscal year 2008-09 represents the fourth consecutive year of below average rainfall and the third consecutive year of below average storm water runoff. As a result, conservation of local storm runoff between 2006-07 and 2008-09 totaled about 150,000 acre-feet, while the long-term average would have represented about 315,000 acre-feet. The deficit of about 165,000 acre-feet (315,000 - 150,000) represents about 21 feet of groundwater elevation at the Baldwin Park Key Well. Had rainfall and local storm runoff been near normal, the Baldwin Park Key Well groundwater level as of June 30, 2009 could have been about 21 feet higher or about elevation 216 feet instead of the recorded elevation of about 195 feet.

## BASIN DEMANDS BELOW AVERAGE

The total Main San Gabriel Basin water demand consists of groundwater production, treated local runoff, and treated imported water deliveries. During fiscal year 2008-09 total water demand was about 272,000 acre-feet consisting of about 236,800 acre-feet of groundwater production, 13,700 acre-feet of treated local surface water and 21,500 acre-feet of treated imported water. The total quantity is about 6 percent lower than the 10-year average of about 290,000 acre-feet despite having below average rainfall in 2008-09, which would tend to increase water demands. The reduction is a result of Watermaster's and others' efforts to promote and encourage water conservation. The Main San Gabriel Basin Watermaster annually establishes an Operating Safe Yield, which is based on prevailing hydrologic conditions in the San Gabriel Valley. Production in excess of the Operating Safe Yield is subject to an assessment used to purchase untreated imported water to replenish the Main San Gabriel Basin. Overproduction during fiscal year 2008-09 was 58,100 acre-feet, which is above the 10-year average of 43,900 acre-feet. Untreated replenishment water deliveries have not been made available by the Metropolitan Water District of Southern California (MWD) since May 2007. The lack of replenishment water combined with dry conditions created historic low water levels even with reduced production due to conservation efforts.

## KEY WELL BELOW OPERATING RANGE

The Baldwin Park Key Well is used as the benchmark for determining the groundwater level for the entire Basin. Pursuant to the Judgment, Watermaster works to keep the Key Well water level between 200 feet and 250 feet to the extent possible. Below average rainfall over the past four years, coupled with below average storm runoff contributed to the Baldwin Park Key Well water level falling from about 248.4 feet in June 2005 to 195.6 feet in June 2009. The below average rainfall of 14 inches during 2008-09 contributed to the continued decrease in the groundwater elevation at the Key Well to about 195.6 feet as of June 30, 2009, which is 4.4 feet below the bottom of the operating range.



**Figure 3. KEY WELL ELEVATIONS DURING THE LAST TEN YEARS**

The groundwater elevation at the Key Well on June 30, 2009 was about 195.6 feet, which is below the bottom of the Basin's operating range of 200 to 250 feet.

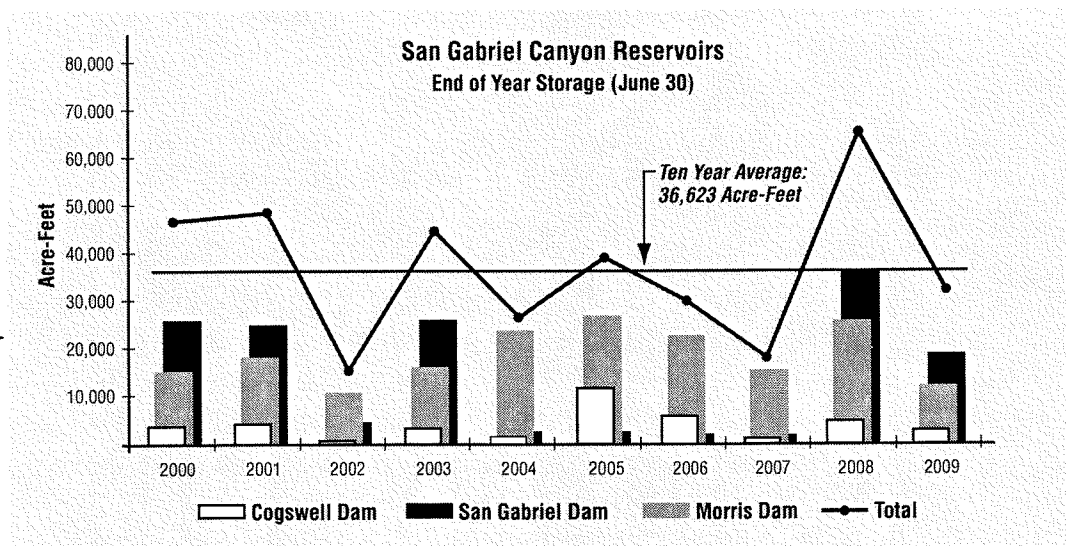


## DECREASE IN WATER STORED IN CANYON RESERVOIRS

Cogswell, San Gabriel, and Morris Reservoirs have a combined maximum storage capacity of about 85,000 acre-feet. At the end of the 2008-09 fiscal year, about 31,800 acre-feet of water was stored in these reservoirs. This is a decrease from the previous year and represents about 87 percent of the 10-year average of about 36,600 acre-feet of water in storage at the end of the fiscal year. In addition, about 70,000 acre-feet of local runoff was released from storage in local reservoirs for recharge into the groundwater basin during fiscal year 2008-09.

Total water stored in San Gabriel Canyon reservoirs at the end of the fiscal year was 31,800 acre-feet and is 87 percent of the 10-year average.

Figure 4. WATER STORED IN SAN GABRIEL CANYON RESERVOIRS



## BASIN REPLENISHMENT ACTIVITIES

Basin management continues to encourage producers to maximize groundwater production instead of relying on treated imported water. Under normal conditions Watermaster quantifies groundwater production in excess of Producers' water rights and arranges to have an equal amount of untreated imported water delivered to replenish the overproduction from the Basin. This practice takes advantage of historically lower cost water and allows water agencies to deliver untreated imported water on a flexible basis instead of requiring a continuous flow, as is the case of treated water demands. Currently, deliveries of untreated imported water for groundwater replenishment by MWD have been suspended. This suspension of deliveries has been in place since May 2007. MWD has indicated untreated imported water may be available in only three out to 10 years in the future. Watermaster is actively pursuing alternative means of Basin replenishment including:

- shifting groundwater production to treated imported water deliveries to reduce overproduction from the Basin;
- encouraging reduced groundwater production through conservation efforts;

- securing alternative supplemental supplies including maximizing delivery of imported water from State Water Project contractors; and
- securing a firm supply of advanced treated recycled water.

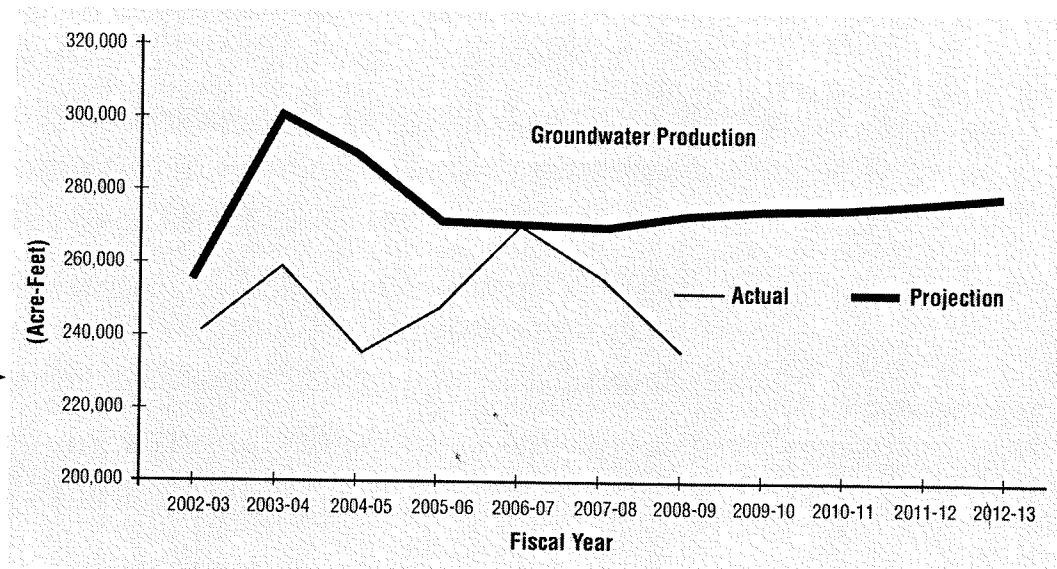
## PROJECTED GROUNDWATER DEMANDS

### PRODUCER ESTIMATES

Section 28 requires that each Producer submit a report to Watermaster detailing its projected water supply and water production requirements over the following five years. Projections were received from 16 Producers, accounting for about 65 percent of the groundwater production from the Basin.

For those Producers who did not submit projections, Watermaster provided an estimate based on the assumption that each Producer had an aggregate projected growth rate that was the same as those Producers who did submit projections. Projected groundwater production is shown in Appendix A.

Figure 5 shows the total projected and historical groundwater production from the Basin since 2002-03.



### Figure 5. PROJECTED AND HISTORICAL WATER PRODUCTION

Total groundwater production for the 2008-09 fiscal year from the Basin was 236,800 acre-feet, which is lower than the previous year's production of 253,000 acre-feet. The decrease in groundwater production is due partially to Basin-wide water conservation.

Groundwater production is influenced by a variety of conditions, including population, seasonal precipitation, groundwater contamination, and availability of surface water. Excluding the impacts of seasonal precipitation, groundwater production had been experiencing a gradual increase. The impacts of groundwater contamination since the 1980s had caused several water agencies to reduce groundwater production and temporarily increase reliance on treated imported water. In recent years, various groundwater production and treatment facilities have become operational, enabling water purveyors to resume use of groundwater.

# CURRENT WATER QUALITY CONDITIONS

Groundwater delivered to customers continues to be of high quality and always meets state and federal drinking water standards. However, a number of contaminants in areas of the Basin require careful monitoring and treatment before the water is served for domestic use. These contaminants include a variety of industrial solvents referred to as volatile organic compounds, or VOCs. Another common contaminant found in the Basin is nitrate, primarily from fertilizers used during the Valley's agricultural period. Since 1997, additional contaminants have been detected: perchlorate, a solid rocket fuel ingredient; N-nitrosodimethylamine (NDMA), associated with liquid rocket fuel; 1,2,3-trichloropropane (1,2,3-TCP), a degreasing agent; and 1,4-dioxane, a stabilizer for chlorinated solvents.

In response to the detection of these contaminants, Watermaster and local water entities aggressively pursued construction of treatment facilities to control the spread of contaminants and continue providing high quality water to consumers. This policy of remediation and reuse both preserves a valuable resource and reduces the overall cost of groundwater cleanup. Initially, a number of VOC treatment facilities were constructed, while excessive nitrate concentrations were blended down to acceptable levels. Since the detection of perchlorate and NDMA, Watermaster has been instrumental in the successful operation of treatment facilities to treat VOCs, perchlorate, and NDMA.

While only present in limited parts of the Basin, these chemicals pose difficult challenges to water Producers. Watermaster responded vigorously by working closely with the local water community to sponsor research, as well as to design, fund, and construct cleanup projects ahead of the USEPA and the firms named as responsible for the contamination. Watermaster also led negotiations that resulted in the Baldwin Park Operable Unit (BPOU) Project Agreement, including an initial reimbursement for groundwater cleanup costs from certain parties responsible for the contamination. Under the agreement, Watermaster is responsible for overall project coordination and administration, groundwater monitoring, and compliance with USEPA reporting requirements. Watermaster also participates in decisions regarding technology selection, construction, and operations. Now that all of the BPOU treatment facilities are operational, Watermaster also monitors the BPOU project's performance in containing and removing contamination.

## **PRIMARY CONTAMINANTS IN THE GROUNDWATER BASIN**

### **VOLATILE ORGANIC COMPOUNDS AND NITRATES**

VOCs and nitrates are the most prevalent contaminants found in the Basin. Intensive monitoring and research concerning these two types of contaminants have been underway for many years. The location and cleanup methods for VOCs are generally well understood; during fiscal year 2008-09, 30 plants treated about 26 billion gallons of VOC-contaminated water. Water containing nitrates above the Maximum Contaminant Level (MCL) is either blended with other sources or not used.

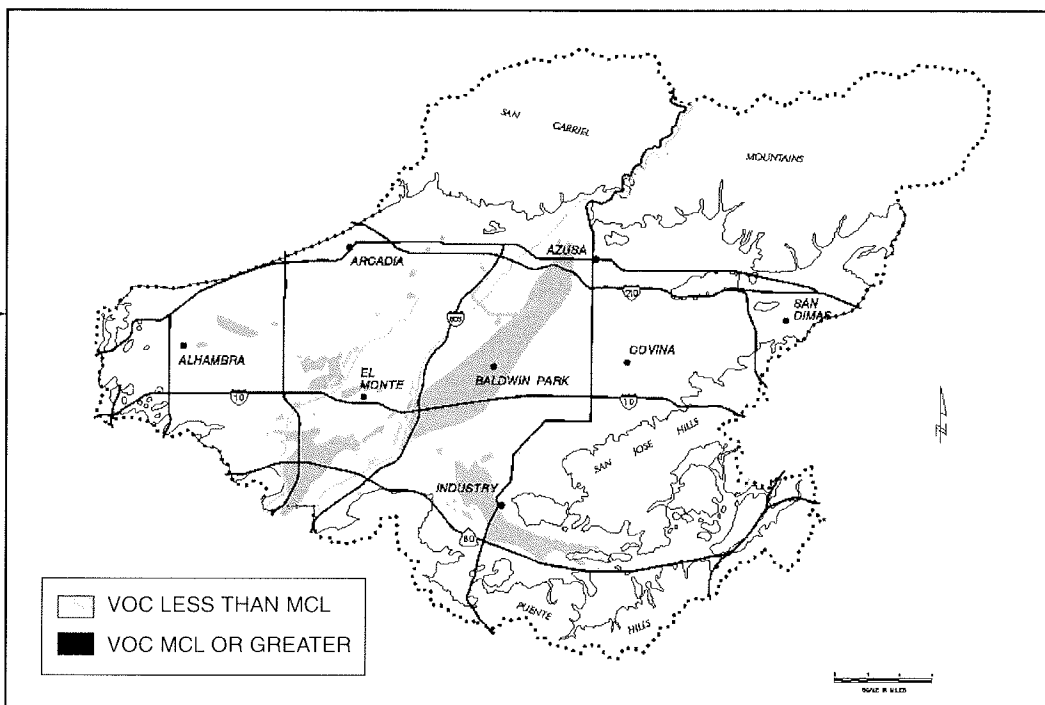
Note in Figure 6 that although VOC contamination is substantial, it is centered in just a few areas, leaving a good portion of the Basin unaffected. The same is true for nitrates, which have the highest concentrations in the eastern portion of the Basin, away from the most productive pumping areas (see Figure 7).

### **PERCHLORATE**

In January 2002, California Department of Public Health (CDPH), formerly the California Department of Health Services, lowered the Notification Level (NL) for perchlorate from 18 to 4 parts per billion, and a total of 22 wells were removed from service due to unacceptable levels of perchlorate. CDPH subsequently raised the NL to 6 parts per billion in March 2004 and later established an MCL of 6 parts per billion during October 2007. Watermaster played a key role in development of the first treatment technology to remove perchlorate from drinking water; ion exchange technology is now operational at five sites in the BPOU and at two facilities in other parts of the Basin.

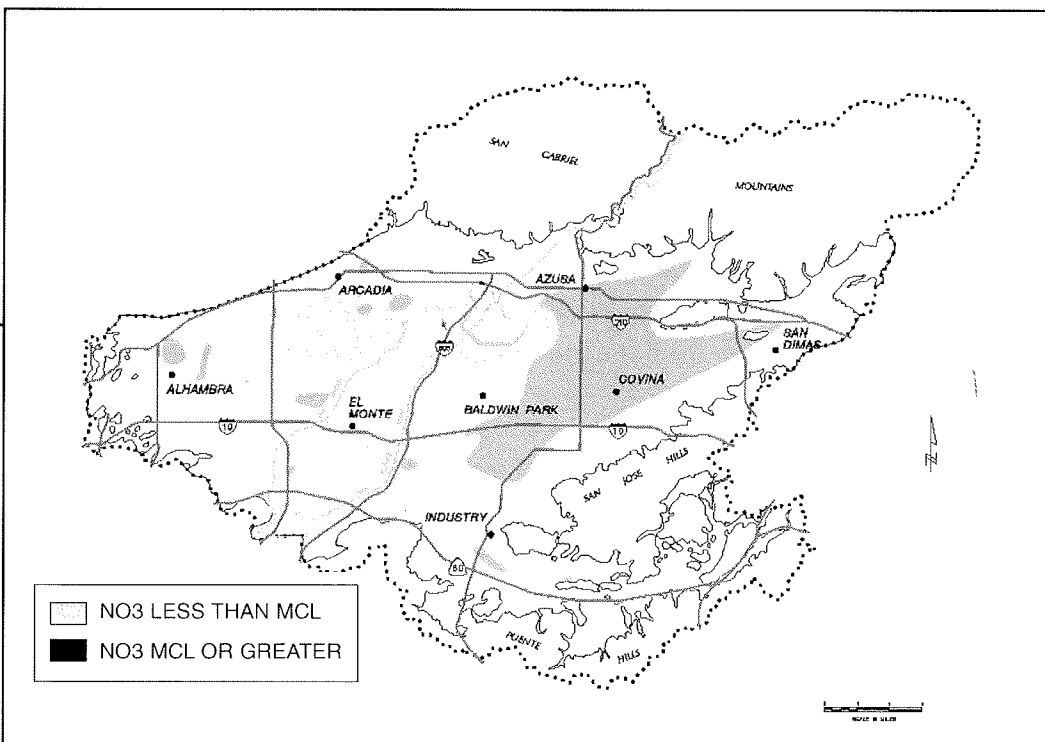
Extensive cleanup programs are underway in the areas affected by VOC contamination. Because the main plumes of contamination are centered in just a few areas, much of the Basin remains unaffected.

**Figure 6. VOLATILE ORGANIC COMPOUND LEVELS IN GROUNDWATER THROUGHOUT THE BASIN**



Nitrate ( $\text{NO}_3$ ) contamination is highest in the eastern portion of the Basin, away from the San Gabriel River, the area of most intensive groundwater pumping.

**Figure 7. NITRATE LEVELS IN GROUNDWATER THROUGHOUT THE BASIN**



## **NDMA**

During 1998, eight local wells were found to contain levels of NDMA above the NL at that time of 2 parts per trillion. Five of the wells with measurable levels of NDMA had already been taken out of service for other reasons, and the other three were put on inactive status once NDMA was detected. CDPH subsequently raised the NL to 10 parts per trillion. As with perchlorate, Watermaster played a key role in the construction of NDMA treatment facilities in the BPOU area of the Basin. Five facilities were operational, during fiscal year 2008-09.

## **1,2,3-TRICHLOROPROPANE**

The compound 1,2,3-trichloropropane is a degreasing agent that has been detected in the groundwater above the NL of 5 parts per trillion, primarily in the BPOU and the Area 3 OU. It was detected in the BPOU during the winter of 2006, and its presence delayed use of one treatment facility for potable purposes. Following detection, CDPH indicated the appropriate treatment technology is liquid phase granular activated carbon. Subsequently, Watermaster, in cooperation with its BPOU project partners, worked to construct treatment facilities to remove 1,2,3-TCP from the groundwater to make it suitable for potable uses. That treatment facility was operational during fiscal year 2008-09.

## **WELLS ASSESSED FOR VULNERABILITY TO CONTAMINATION**

One of the primary purposes of the Five-Year Plan is to identify wells in the Basin that are vulnerable to contamination. A well is considered vulnerable if the concentration of contaminants reaches 50 percent of the NL or MCL allowed by state drinking water regulations. Watermaster reviews water quality tests performed on each well, regional water quality conditions, and contaminant migration patterns in an effort to project which wells may be vulnerable over the next five years and prepare plans to construct treatment facilities, as needed. (See Figures 8a, 8b and 8c in Appendix F).

Watermaster maintains a Water Quality Protection Plan that provides an early warning to Producers of potential increases in contaminant levels. The Water Quality Protection Plan also provides suggested alternative sources of supply, and proposes long-term actions to solve the contamination problem(s) without contributing to the migration of contaminants in the Basin.

# FIVE-YEAR WATER QUALITY AND SUPPLY PLAN

The Main San Gabriel Basin's designation as a federal Superfund site was prompted by the discovery of widespread VOC contamination. Cleanup plans were developed to contain and remove VOCs from groundwater, and Watermaster, along with various other local water agencies, water producers and regulators, has worked to develop the expertise, financing and treatment technologies to effectively address Basinwide cleanup of VOCs.

The discovery of perchlorate and NDMA, however, complicated the existing VOC cleanup approach by creating a number of challenges. Most important, these new contaminants could not be removed using existing treatment facilities, and new, additional treatment methods had to be identified, financed and implemented.

Watermaster facilitates groundwater cleanup projects that also meet water supply needs.

This report outlines a combined cleanup and water supply plan for each of the USEPA Operable Units. Watermaster's plan for each area is consistent with the USEPA plans, and its goal is to implement cleanup as promptly as possible, with or without the cooperation of the Responsible Parties.

## GROUNDWATER MONITORING PROGRAMS

Monitoring involves measuring groundwater levels, groundwater quality, and groundwater flow. Watermaster continuously refines its understanding of the groundwater Basin to increase the safe yield of the Basin, and to protect and improve local water quality.

## **GROUNDWATER ELEVATION MONITORING**

### **CONTINUE KEY WELL AND SUPPLEMENTAL KEY WELL OPERATION AND DATA PROCESSING**

The entire 167-square-mile groundwater Basin is managed as one unit based on the groundwater levels as measured at a single Key Well in Baldwin Park. Water levels have been measured at this well since 1903 and are currently measured every three hours by an automated recorder.

Additional groundwater level recorders have been installed near the Santa Fe Spreading Grounds; adjacent to the San Gabriel River above the I-210 Freeway; in the City of Rosemead; in the City of Covina; and near the Whittier Narrows Dam. These water level records are synchronized with the record in the Key Well. Collectively, water level data from these wells provide a better understanding of impacts of recharge operations at the Santa Fe Spreading Grounds on Basin hydrogeology. Water elevation data are collected semi-annually at about 170 additional wells throughout the Basin, and water level recorders may be installed in those wells over the next five years.

### **CONTINUE BASINWIDE GROUNDWATER ELEVATION MONITORING PROGRAM (BGWEMP)**

The purpose of the BGWEMP is to obtain groundwater level measurements from a large number of wells across the Basin. The information is used to prepare groundwater contour maps showing the direction of groundwater flow. The data are also used in the Basin computer model to simulate future groundwater flow patterns.

The BGWEMP plan for the coming years includes:

- taking weekly measurements of water levels in nine primary wells;
- gathering semi-annual measurements of water levels in 170 primary wells;
- obtaining water levels in secondary wells from well owners or water Producers, the San Gabriel Valley Protective Association, Regional Board, USEPA, and others;
- updating the database with water level data; and
- preparing semi-annual groundwater contour maps of the entire Basin.



## **GROUNDWATER QUALITY MONITORING**

### **CONTINUE BASINWIDE GROUNDWATER QUALITY MONITORING PROGRAM (BGWQMP)**

Under the BGWQMP, all production wells in the Basin are sampled at least once a year for VOCs and nitrates. The frequency of BGWQMP sampling complements the monitoring requirements under state law and supplements information gathered through Regional Water Quality Control Board source investigations and USEPA remedial investigations. The data collected by BGWQMP are used to identify and evaluate the current locations and magnitude of contaminant levels.

### **CONTINUE TITLE 22 WATER QUALITY TESTING**

Watermaster continues to perform CDPH-mandated Title 22 water quality sampling of groundwater from approximately 200 active wells in the Basin. Watermaster also continues to track regulations and inform local water purveyors about regulatory issues and requirements. Information from centralized water quality testing is added to Watermaster's water quality database, which contains data from many sources. The centralized testing enables Watermaster to identify water quality trends on a regional scale that might otherwise go unnoticed at a specific well and also lowers monitoring costs to Producers.

## **GROUNDWATER FLOW AND CONTAMINANT MIGRATION STUDIES**

Groundwater level and quality data are entered into the Basin computer model, which simulates where contamination is projected to flow in the future. The goal is to project contaminant levels by areas in advance of the actual event, and identify remedial steps to be taken.

### **GROUNDWATER ELEVATION SIMULATIONS SHOW FUTURE PUMPING WILL NOT SIGNIFICANTLY CHANGE GROUNDWATER MOVEMENT**

To determine the direction of groundwater flow through the Basin, Watermaster compiles the daily average 2008-09 production for each well, enters the data into the groundwater model, and simulates how production impacts water levels throughout the Basin. A computer simulation is then run using estimated production for 2013-14. These simulations indicate that the estimated increase in groundwater production during the next five years will not significantly change the overall direction of Basin groundwater movement, which continues to flow generally from east to west to a pumping trough in the western portion of the Basin, and also northeast to southwest,

Simulations of the direction of groundwater flow in 2008-09 and projections for 2013-14 show that the estimated increase in groundwater pumping during this period would not significantly change the overall direction of Basin groundwater movement.

exiting through Whittier Narrows. The simulation for 2013-14 also shows localized pumping depressions in the Baldwin Park area, which are expected to be created by continuous pumping from groundwater extraction wells associated with the BPOU contaminant cleanup project to contain and control groundwater contaminant movement. Contaminated groundwater from those wells is treated at several treatment facilities and the CDPH-permitted water is provided for potable use.

### **SIMULATE IMPACTS OF GROUNDWATER PUMPING ON CONTAMINANT MIGRATION**

Simulations similar to the ones described above were used to make the finding that pumping particularly from USEPA mandated cleanup projects and managed by Watermaster helps to control and contain contaminant migration.

Groundwater quality data collected during 2008-09 and projected quality data for 2013-14 were entered into the groundwater model for the contamination migration studies. The computer model is used to simulate how the flow of water would affect the migration of contamination. The simulation showed that changes in groundwater flow did not have major impacts on the migration of contaminants (refer to Figures 9 and 10 in Appendix G).

## **GROUNDWATER CLEANUP PROJECTS**

Watermaster coordinates and provides technical assistance on many cleanup projects in the Basin, although the cleanup facilities are owned and operated by local water utilities. Watermaster's involvement includes coordinating proposed USEPA cleanup programs such that treated water is retained in the Basin to well water demands and providing assurance that projects are consistent with the Judgment.

### **REVIEW OF SECTION 28 APPLICATIONS**

Watermaster reviews every proposal to construct, destroy, or modify a well or build a treatment plant pursuant to Section 28 of its Rules and Regulations.

Watermaster's review ensures that any new or increased extractions from the Basin or any changes in production patterns are consistent with contamination cleanup efforts and will not adversely affect Basin water quality. In conjunction with the evaluation of an application to construct a new well or a treatment facility, Watermaster uses a computer model to predict the potential future impacts of each project on contaminant migration and Basin cleanup.

## **BASIN CLEANUP PROJECTS/USEPA OPERABLE UNIT PLANS**

With USEPA plans generally in place, Watermaster is working with others to ensure cleanup plans also address local water supply needs.

The USEPA established Operable Units for the various areas within the Basin that have been contaminated and require groundwater cleanup. The Operable Units are Area 3 (Alhambra area), Baldwin Park, Puente Valley, El Monte, South El Monte, and Whittier Narrows (See Figure 11). USEPA has established a methodical process that includes a review of the extent of contamination (Remedial Investigation), development of cleanup alternatives (Feasibility Study) and selection of the most appropriate cleanup plan (Proposed Plan). Following these activities, the USEPA issues a report identifying the agreed upon Cleanup Plan (Record of Decision). Subsequently, the project facilities are designed and constructed.

The USEPA has identified cleanup plans for nearly all the Operable Units. Unlike the USEPA, Watermaster is not only concerned with cleaning up the Basin, but also wants to ensure that the water supply needs of the region are met. With USEPA plans generally in place, Watermaster continues to work with affected Producers, Responsible Parties, and others to implement solutions that not only provide effective cleanup and conform to the USEPA plans, but also meet local water supply needs.

This Five-Year Plan describes each of the Operable Units along with the USEPA proposed cleanup plan. In addition, Appendix A identifies current and projected groundwater production to address the contamination and to implement the cleanup plans. Wells that pump to an existing or planned treatment facility are shown in bold.

In areas where the groundwater supply has been affected by contamination, Watermaster works with affected Producers and other local water agencies to implement cleanup as quickly as possible, with or without the cooperation of the Responsible Parties. Watermaster and affected Producers continue to seek cost recovery from the Responsible Parties for any cleanup costs they incur.

### **BALDWIN PARK OPERABLE UNIT (BPOU)**

The BPOU is a seven-mile-long, one-mile-wide area of groundwater contamination that lies east of the San Gabriel River, stretching from an area north of the I-210 freeway in Azusa to south of the I-10 freeway in Baldwin Park (see Figure 12). The contamination has primarily resulted from improper use and disposal of industrial chemicals in the Azusa area, and it continues to spread generally in a southwesterly direction.

The USEPA originally issued its Record of Decision (ROD), or cleanup plan, for the BPOU in the mid-1990s. The ROD calls for pumping and treating groundwater in the northern area, where contaminant concentrations are highest, and also in the southern area to limit further migration of contaminants. The ROD involves pumping and treating an average of about 7,000 gallons per minute in the northern area and 16,000 gallons per minute in the southern area. The ROD also recommends the use of existing water supply wells, treatment systems, and pipelines when feasible. Importantly, the plan encourages adding the treated water to the potable supply, rather than simply recharging it back into the ground or disposing of it to storm drains.

Figure 11. LOCATION MAP OF USEPA OPERABLE UNITS

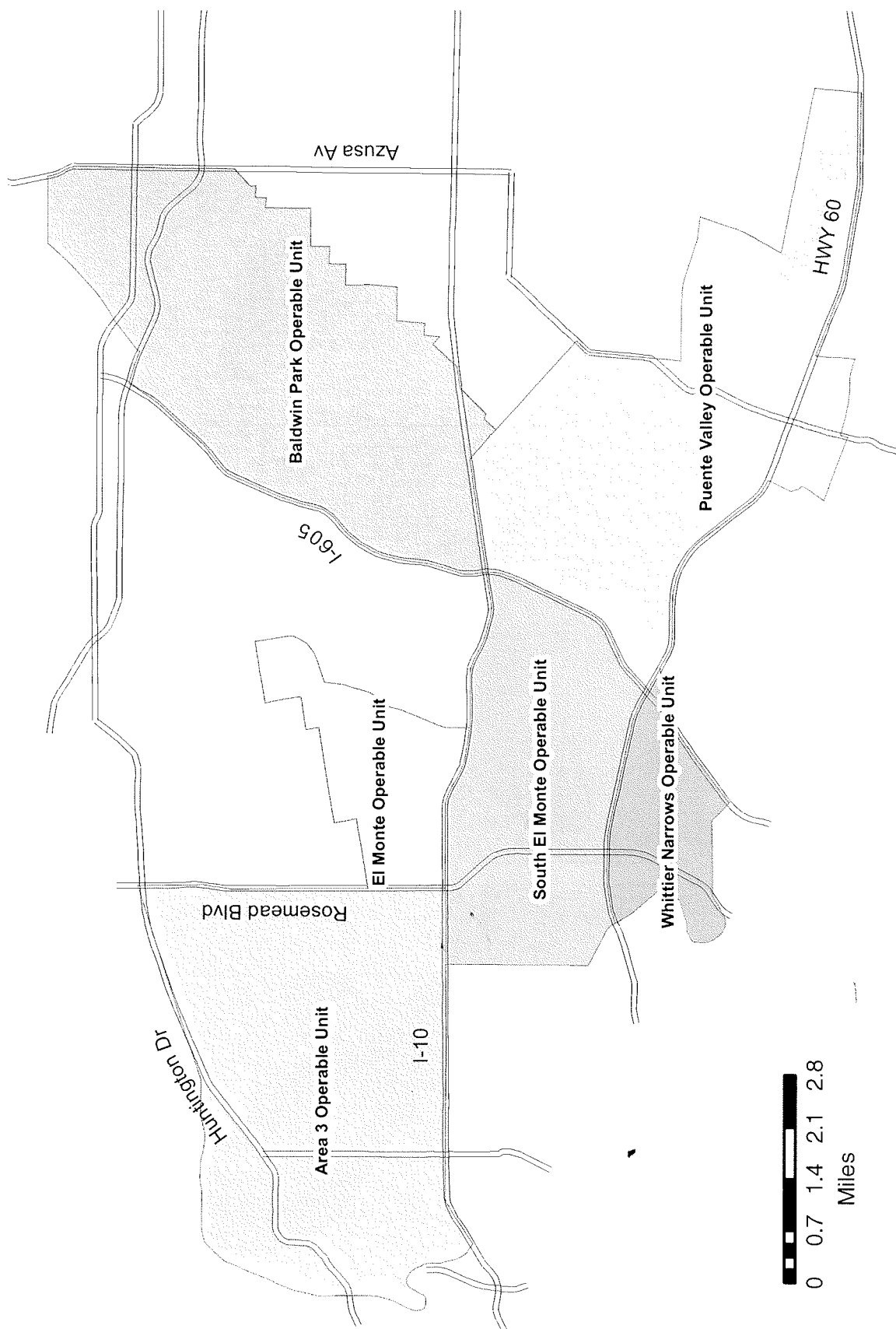


Figure 12. VOC PLUME MAP IN BPOU

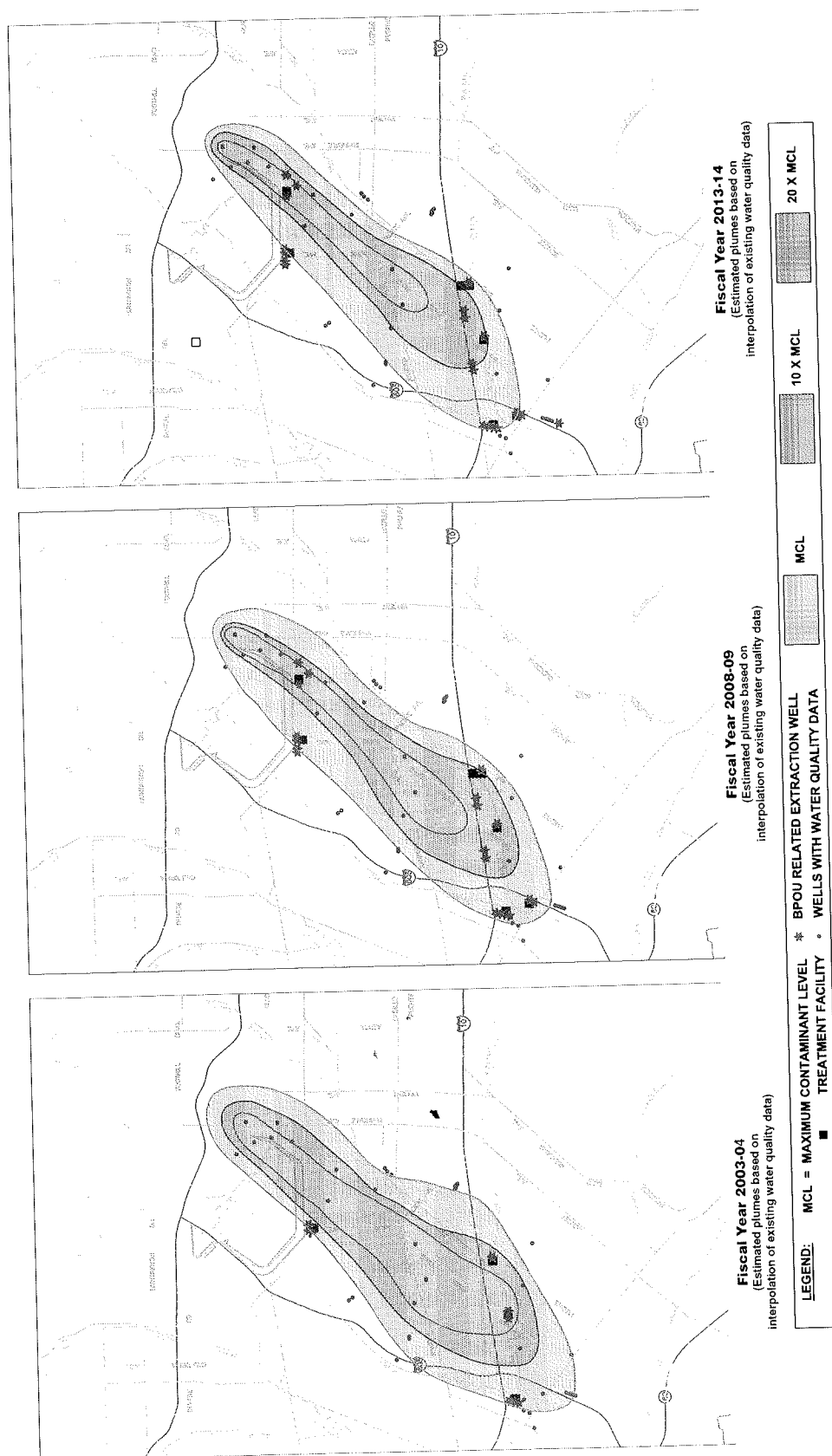


Figure 13. PERCHLORATE PLUME MAP IN BPOU

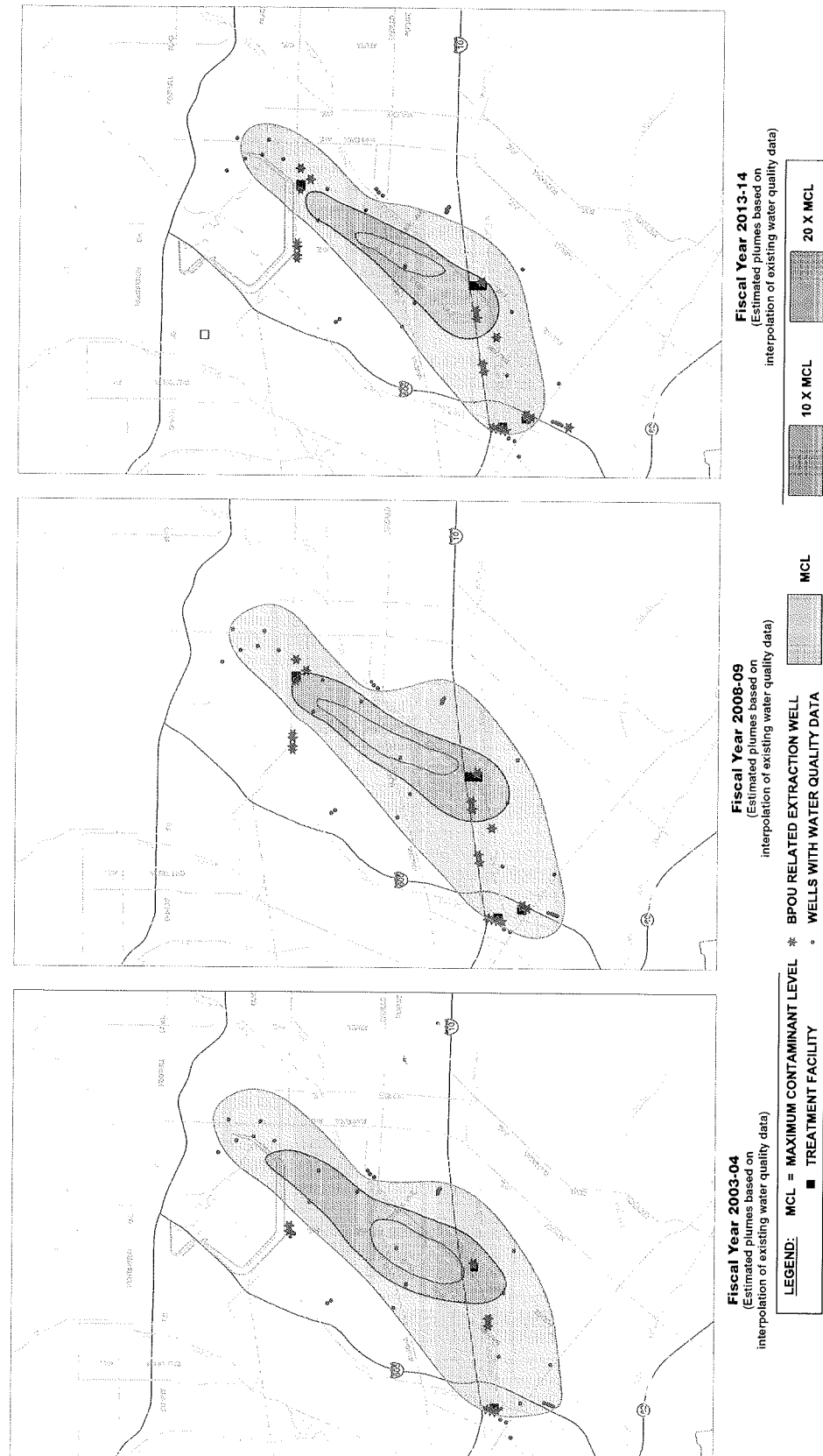


Figure 14. LOCATION MAP OF BPOU

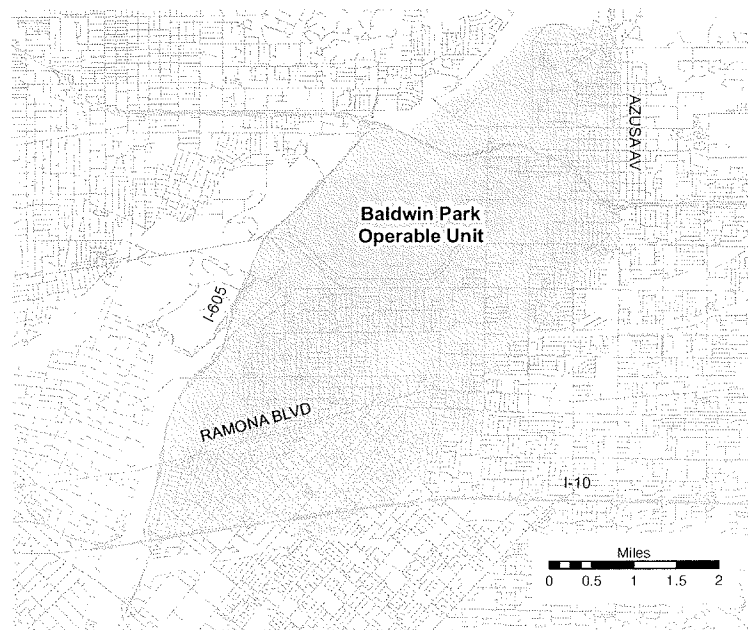


Figure 15. LOCATION MAP OF SEMOU

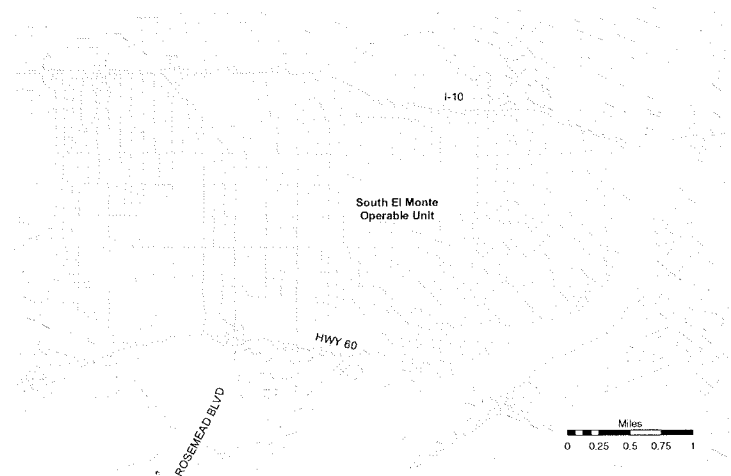


Figure 16. LOCATION MAP OF EMOU

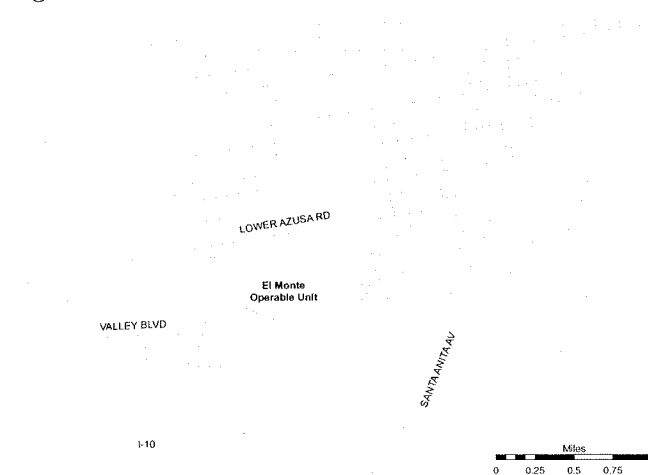


Figure 17. LOCATION MAP OF PVOU

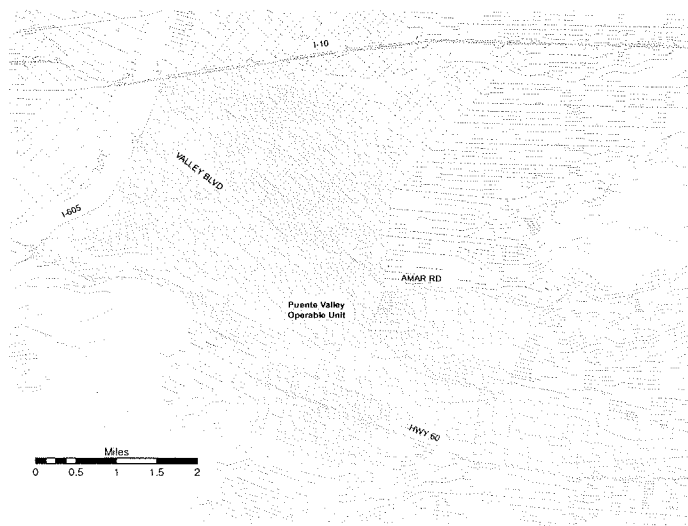


Figure 18. LOCATION MAP OF WNOU

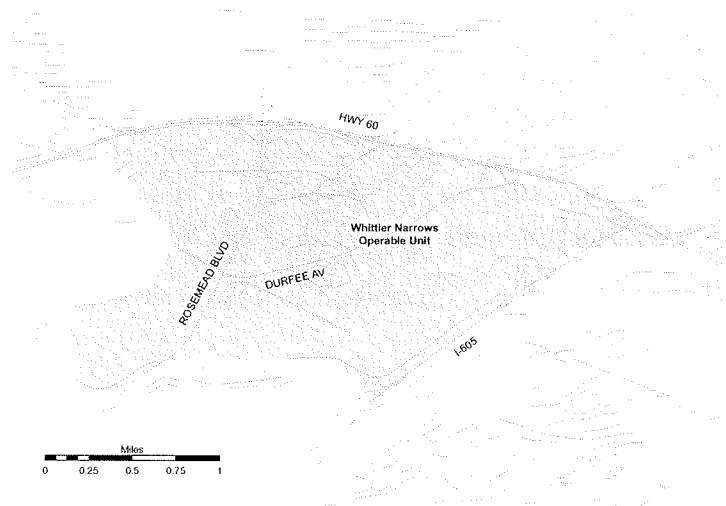
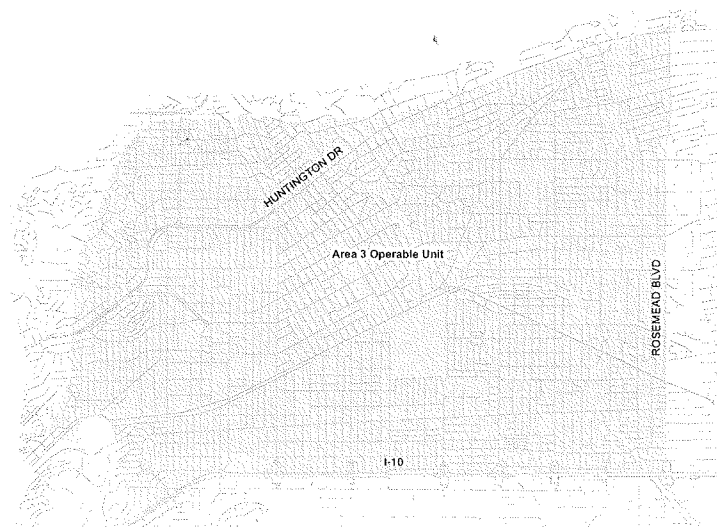


Figure 19. LOCATION MAP OF AREA 3





The discovery of perchlorate and NDMA during the late 1990s resulted in the shut-down of numerous treatment facilities, including the La Puente Valley County Water District (LPVCWD) Plant and San Gabriel Valley Water Company (SGVWC) Plant B6 that were designed by local water agencies to remove VOCs but not the new contaminants. Shutting down the VOC treatment plants allowed contaminants to migrate southward into previously unaffected areas, in turn forcing the shutdown of other water supply wells.

In 2002, after several years of negotiation led by Watermaster, eight of the BPOU Responsible Parties (called Cooperating Respondents, or CRs) and seven water entities signed the BPOU Project Agreement. Under this landmark agreement, Watermaster continues to provide overall project management and project coordination services. The CRs have paid the cost to construct and will provide funding to operate the USEPA-required BPOU cleanup facilities for about 15 years. Several water purveyors own and operate the facilities and use the highly treated water in their water systems. The San Gabriel Basin Water Quality Authority (WQA) has obtained outside funds to help construct necessary treatment facilities, extraction wells and pipelines.

The BPOU Project consists of four centralized treatment facilities with a combined extraction and treatment capacity of up to 25,900 gpm. Those treatment facilities are located at Valley County Water District's Lante Plant (7,800 gpm), San Gabriel Valley Water Company's Plant B6 (7,800 gpm) and Plant B5 (7,800 gpm), and La Puente Valley County Water District's (LPVCWD) site (2,500 gpm). The location of these treatment facilities is shown on Figure 12.

## **VCWD PROJECT**

In the northerly portion of the BPOU, the VCWD Project consists of three extraction wells, including two new wells, pumping up to 7,800 gpm (average annual rate of 7,000 gpm) to a centralized treatment facility at the VCWD Lante Plant. The VCWD Project consists of separate facilities to treat VOCs, 1,2,3-TCP, perchlorate, NDMA, and 1,4-dioxane. In addition, a treated water pipeline provides up to 6,000 gpm of fully treated water to Suburban Water Systems (SWS) to offset production lost due to contamination of some of its wells; VCWD will use the remaining portion of the treated water. The VCWD Project began operation for contamination cleanup in 2006 and received its CDPH operating permit in July 2007 to provide potable water to customers, and is operational. Since operation began in 2006, the VCWD treatment facility has treated about 25,500 acre-feet and has removed about 14,100 pounds of contaminants.

VCWD and its BPOU partners are coordinating the construction of a new ion exchange facility that will remove perchlorate more cost effectively. Construction and startup testing of the new ion exchange facility is anticipated to be completed during fiscal year 2009-10 while the existing VCWD treatment facility continues to provide treated water for municipal use.

### **LPVCWD PROJECT**

The LPVCWD consists of three existing production wells. Well pumping capacity is limited to 2,500 gpm to equal the capacity of the treatment facility. The LPVCWD project consists of separate facilities to treat VOCs, perchlorate, NDMA and 1,4-dioxane. The LPVCWD project is permitted by CDPH and has been operating since March 2001. Treated water in excess of LPVCWD's needs is provided to SWS to enable the treatment facility to be operated on a continuous basis. Since operation began, the LPVCWD treatment facility has treated about 39,000 acre-feet (including prior operations with only VOC treatment) and removed about 7,900 pounds of contaminants.

During fiscal year 2008-09, LPVCWD constructed a new ion exchange facility that will remove perchlorate more cost effectively. The ion exchange facility operational testing, CDPH permitting and full scale operation for potable use is anticipated to occur during fiscal year 2009-2010.

### **SGVWC B6 PROJECT**

The SGVWC B6 project is permitted by CDPH and has been operational since July 2005. The B6 project consists of four new extraction wells and a centralized treatment facility that treats up to 7,800 gpm (average annual rate of 7,000 gpm). The treatment facility treats the contaminated groundwater for VOCs, perchlorate, NDMA, and 1,4-dioxane. The treated water is provided to SGVWC customers. Since operation began, the SGVWC B6 treatment facility has treated about 61,000 acre-feet, (including prior operations with only VOC treatment), and removed about 9,100 pounds of contaminants.

The BPOU project partners are coordinating the construction of a new ion exchange facility, similar to the ones at the LPVCWD project and the VCWD Project. Construction of the new ion exchange facility began during fiscal year 2008-09 while the existing treatment facility continues to provide treated water for municipal use. Treatment facility operational testing, CDPH permitting and full scale operation for municipal use is anticipated to occur during fiscal year 2009-10.

### **SGVWC B5 PROJECT**

The SGVWC B5 Project consists of one new extraction well along with two existing wells that will provide up to 7,800 gpm (average annual rate of 7,000 gpm) to a centralized treatment facility located at the SGVWC B5 site. The treatment facility will treat the contaminated water for VOCs, perchlorate, NDMA, and 1,4-dioxane. Following receipt of a permit from CDPH, the treated water will be provided to City of Industry customers (1,200 gpm) and the balance (6,600 gpm) provided to SGVWC customers. The SGVWC B5 Project was permitted by CDPH in fiscal year 2007-08. Since operation began in 2007 the SGVWC B5 treatment facility has treated about 18,700 acre-feet and has removed about 460 pounds of contaminants.

## PURVEYOR PROJECTS

In addition to the USEPA-required BPOU facilities, several water purveyors have built treatment facilities at other wells within the BPOU area to meet water supply needs until the USEPA remedy prevents the continued spread of contamination. California Domestic Water Company (CDWC) has constructed facilities at its wellfield to remove VOCs, perchlorate and NDMA. Similarly, Watermaster has issued permits under its Section 28 to SWS to construct new wells that also are being used to blend with wells impacted by contaminants. These activities reduce reliance on expensive imported water and contribute to contaminant removal.

## BPOU CLEANUP PROGRESS

Watermaster regularly reviews water quality data to evaluate the impact the production wells and specially constructed extraction wells have on control of contamination migration. It is difficult to develop a precise picture of the geographic extent of contamination because water quality is obtained from numerous wells that produce water from different depths below the groundwater table. Figure 12 shows the approximate geographic extent of VOC contamination and operating VOC treatment facilities from about five years ago, and from current data. In addition, the anticipated treatment facilities and the approximate geographic extent of VOC contamination, using engineering judgment, for five years in the future is also shown on Figure 12. The 2008-09 plume indicates the addition of supplemental treatment has enabled several VOC treatment facilities to resume operation, which has in turn, begun to control plume movement. It also indicates that, as a result of below average groundwater replenishment, groundwater flow has shifted VOC contamination to the west in the northwesterly portion of the plume. In the future, Watermaster anticipates the area of the VOC plume will begin to decrease, as shown on the 2013-14 plume. Similarly, Figure 13 shows the approximate geographic extent of perchlorate. The series of three plume characterizations and facility indicators show that in 2003-04 treatment existed at only one site. With the construction and operation of treatment facilities (2008-09), plume movement is expected to be controlled and, similar to VOCs, begin to decrease in the future (2013-14).

Watermaster will continue to coordinate BPOU cleanup activities among the various parties to the BPOU Project Agreement over the next 10 years, including interfacing with USEPA, overseeing agreements between water purveyors to use the treated water, and providing accounting services to track BPOU Project costs and funds received. With all of the BPOU facilities now operational, Watermaster is also coordinating collection of field data, such as water production, water quality and water levels, and is providing BPOU Project performance reports to USEPA in cooperation with the CRs.

The projects will ensure that there is an adequate water supply for the BPOU area. These projects are consistent with the USEPA ROD, meet contaminant removal and containment requirements, and meet local water supply needs.

## **SOUTH EL MONTE OPERABLE UNIT**

The South El Monte Operable Unit (SEMOU) covers approximately eight square miles in the south-central portion of the Basin. It is bounded by the I-10 Freeway, the 60 Freeway, the I-605 Freeway, and San Gabriel Boulevard. (See Figure 11). A ROD for the SEMOU was issued in 2000 addressing VOC contamination in a limited area. Subsequently, additional water supply wells became contaminated and new contaminants, including perchlorate, were detected in wells in the SEMOU area. In November 2005, USEPA revisited its ROD and issued an Explanation of Significant Differences (ESD) indicating that SEMOU cleanup projects would also address treatment of perchlorate. Since a perchlorate source has not yet been identified in that area, the Responsible Parties (RPs) objected to a requirement to pay for perchlorate treatment, and negotiations for the RPs to fund SEMOU groundwater cleanup activities have been moving slowly.

In the meantime, area water purveyors who were impacted by contaminant migration and new perchlorate detections were forced to construct new or additional treatment facilities to maintain safe, reliable water supplies. The City of Monterey Park, San Gabriel Valley Water Company, and Golden State Water Company (GSWC) have all constructed new or additional treatment facilities within SEMOU. The San Gabriel Basin Water Quality Authority (WQA) has assisted these Producers by providing outside funding to help offset project costs.

**MONTEREY PARK PROJECT.** Monterey Park constructed a water treatment facility at its Delta Plant to treat VOCs and perchlorate. Monterey Park Well No. 9 (which only had detectable concentrations of VOC) began operating through the VOC treatment facility in April 2002. Following construction and permitting of the perchlorate treatment facility, Monterey Park Well No. 12 began operation in spring 2005. Monterey Park began operation of Well No. 15 in summer 2006. Future production primarily will be from Monterey Park Wells No. 12 and No. 15 to operate consistent with the SEMOU ROD. Watermaster and Monterey Park maintain data on water quality in monitoring wells located upgradient of Wells No. 9, 12, and 15. Since the treatment facility began operation, over 27,200 acre-feet of water has been treated and about 3,500 pounds of contaminants removed from the groundwater.

**SAN GABRIEL VALLEY WATER COMPANY (SGVWC) PLANT 8 PROJECT.** SGVWC Plant 8 VOC Treatment Facility has a capacity of 5,000 gpm and has been in operation since fiscal year 2001-02. In response to increasing VOC concentrations, SGVWC voluntarily constructed supplemental VOC treatment at Plant 8. The supplemental VOC treatment facility was permitted by CDPH in September 2006 and went on line in December 2006. Since the original VOC treatment facility operation, over 22,500 acre-feet of water has been treated and about 2,000 pounds of contaminants have been removed from the groundwater.

**GOLDEN STATE WATER COMPANY (GSWC) PROJECT.** GSWC VOC treatment facility at San Gabriel Wells No. 1 and 2 had been permitted and operating. However, with the establishment of the revised Perchlorate NL in 2002, GSWC voluntarily removed the wells from operation. Subsequently, GSWC installed an ion exchange system to remove perchlorate and has resumed operation at its San Gabriel Well No. 1. The treatment facility has treated about 6,700 acre-feet of water and removed about 290 pounds of contaminants.

### **EL MONTE OPERABLE UNIT**

The El Monte Operable Unit (EMOU) covers an area of about 10 square miles in the south-central portion of the Basin. It is bounded by the I-10 Freeway in the south, Rosemead Boulevard in the west, and Santa Anita Avenue and Rio Hondo on the east. The northern boundary generally follows Lower Azusa Road (see Figure 11). While shallow contamination is found throughout the EMOU, deep (intermediate zone) contamination is found in the northwest and easterly area of the EMOU.

The USEPA's ROD for the EMOU includes numerous small, shallow extraction wells and treatment, along with two areas of deep extraction and treatment. Due to generally poor water quality in the area, the shallow groundwater will not be used for a potable supply. The deep extractions are recommended for potable use by local water purveyors. The remediation efforts are separated into "Westside" and "Eastside" activities.

**WESTSIDE PROJECTS.** On the Westside there are plans for cleanup contaminants occurring in the shallow aquifer. Watermaster is coordinating with the Westside entities to address the disposition of the treated water. The deep zone extraction and treatment in the northwest area is being accomplished by the existing Encinita Wellfield and Treatment Facility owned by GSWC, which began operation during 1998. During July 2002, USEPA issued an Explanation of Significant Differences (ESD), which indicated that perchlorate, NDMA, 1,4-dioxane, and hexavalent chromium had been detected in excess of CDPH notification levels. In the event water from extraction wells cannot be blended to acceptable levels, additional treatment facilities will need to be installed, significantly increasing cleanup costs. Thus far, extraction and treatment of VOCs at GSWC Encinita Plant have not been impacted.

**EASTSIDE PROJECTS.** The remediation on the Eastside will also involve cleanup of contaminants in the shallow aquifer. Final disposition of the water has not yet been determined and is still being coordinated by the Watermaster. The VOC contamination in the deep aquifer is anticipated to be produced from three wells and the fully treated water will be provided to the City of El Monte. Watermaster will continue to assist with data collection and permitting of facilities over the next five years.

## **PUENTE VALLEY OPERABLE UNIT**

The Puente Valley Operable Unit (PVOU) lies in the southeastern portion of the Basin, essentially bounded by the 60 Freeway in the south, Azusa Avenue in the east, and the I-10 Freeway in the north (see Figure 11). The PVOU encompasses the Puente Valley, which is tributary to the southeasterly portion of the Basin. Contamination in the PVOU includes various VOCs. All aquifers within the PVOU (shallow, intermediate, and deep) are considered sources for municipal water supplies. The USEPA has issued a ROD for the PVOU. The plan identified in the ROD includes extraction and treatment of groundwater within the shallow and intermediate zones from wells located in the center of the PVOU.

**SHALLOW ZONE PROJECT.** The cleanup plan for shallow zone contamination includes nine wells that will collectively produce about 1,000 gpm. Due to the poor quality of shallow zone water (which is high in naturally-occurring dissolved solids), the water will not be used as drinking water, but will instead be treated to remove VOCs and will then be recharged back into the Basin. Watermaster is currently working with USEPA, Carrier Corporation and the Responsible Party to develop an agreement to allow production and discharge of the PVOU shallow zone water. The shallow zone project is currently anticipated to be operational during fiscal year 2010-11.

**INTERMEDIATE ZONE.** The proposed location of the intermediate zone treatment facility is also shown on Figure 17. Watermaster is working with USEPA, PRPs and local water entities to develop a cleanup solution that meets potable water supply needs. Approximately 1,000 gpm will be produced from the intermediate zone extraction wells, treated and used for potable purposes by a local water purveyor. The intermediate zone project is currently anticipated to be operational during fiscal year 2010-11.

## **WHITTIER NARROWS OPERABLE UNIT**

The USEPA has declared that the WNOU is a “fund-lead” project, meaning that the USEPA (with the state) has funded the design, construction, and operation of the remedy and will seek cost recovery from Responsible Parties later. The USEPA cleanup plan involves a series of shallow and intermediate zone extraction wells with treatment. The total extractions are estimated to be about 11,000 gallons per minute (5,000 gpm shallow and 6,000 gpm intermediate zone).

**INTERMEDIATE ZONE PROJECT.** The City of Whittier has obtained a CDPH permit to use the 6,000 gpm of treated intermediate zone water for municipal use instead of producing water from its existing wells. Since production began in late 2005, about 16,500 acre-feet of groundwater has been treated and about 750 pounds of contaminants removed.

**SHALLOW ZONE PROJECT.** During fiscal year 2002-03 NDMA was detected in some of the shallow extraction wells, prolonging the testing and review process for the shallow zone water through June 2007. Studies indicate the shallow zone contamination could be adequately contained at an extraction rate of 2,500 gpm. The production agreement between USEPA and Watermaster to pump and discharge shallow zone water expired as of June 30, 2007, and further shallow zone treatment was temporarily suspended while the parties worked to determine an acceptable and appropriate long-term use of the water. Following several meetings, Watermaster entered into a production agreement with USEPA and the County of Los Angeles. Treated shallow zone water is being discharged to Legg Lake. A portion of the treated water is reported by the County of Los Angeles to Watermaster as production and the balance of the treated water will flow out of Legg Lake and percolate into the Basin. The shallow zone wells resumed operation in March 2008.

Since production began at the WNOU facility, over 23,000 acre-feet of groundwater has been treated, and over 1,600 pounds of contaminants have been removed.

### **AREA 3 OPERABLE UNIT**

The Area 3 Operable Unit is located in the westerly portion of the Basin. It is generally bounded on the south by the I-10 Freeway, on the east by Rosemead Boulevard, on the North by Huntington Drive and on the west by the boundary of the Main Basin (see Figure 11). USEPA has installed five monitoring wells to collect water quality data to supplement data collected from water supply wells and has initiated a Remedial Investigation and Feasibility Study to identify the extent of the contamination and to evaluate appropriate cleanup remedies. In addition, Watermaster issued a permit during 2005-06 to the City of Alhambra to construct a treatment facility to remove VOCs from wells No. 7, 8, 11 and 12. The treatment facility became operational in April 2009 prior to USEPA's development of a final remedy but is necessary for Alhambra to receive a reliable source of supply from the groundwater basin.

## **PRODUCERS' WATER SUPPLY PLANS**

Watermaster's Water Quality Protection Plan provides early warning to Producers before their wells are found to exceed drinking water quality standards. The Plan also contains pre-analyzed suggestions to the Producers for responding to the presence of contaminants.

### **WATER SUPPLY PLANS TO MEET PROJECTED DEMANDS**

Water Producers propose to construct 10 new wells and build 4 treatment plants during the next five years. Watermaster will continue providing the following services to assist Producers in meeting water demand:

- investigate all new or increased water extractions;
- provide computer modeling and technical support on treatment issues concerning the impact of extractions on contaminant migration;
- prioritize areas requiring further investigation, and coordinate with Producers on water supply modifications; and
- direct changes in pumping or treatment as necessary.

## **CONDUCT STUDIES, MONITORING AND INVESTIGATIONS**

The Main San Gabriel Groundwater Basin is very complex, covering 167 square miles and holding about 2.8 trillion gallons of water. Water enters the Basin from countless natural and man-made locations, and is extracted from over 200 wells operated by dozens of independent Producers. Watermaster conducts special studies to identify projected water demands and to increase understanding of the Basin, so that it can be managed in a way that preserves and improves its water supply and quality. In addition, Watermaster routinely reviews available data and is prepared to construct new monitoring wells to obtain supplemental water level and water quality data to better manage the Basin.

### **LANDFILL INSPECTIONS**

Watermaster routinely conducts on-site inspections of area landfills to ensure they are operated in a way that does not allow contaminants to seep into the groundwater. Watermaster reports any violations of Waste Discharge Requirements to the Regional Water Quality Control Board for enforcement.



## **IDENTIFY AND REDUCE POTENTIAL SOURCES OF CONTAMINATION**

### **COOPERATE WITH THE REGIONAL WATER QUALITY CONTROL BOARD**

Since 1993, Watermaster has obtained information from the Regional Board about sources of VOC contamination in the Basin as part of the Regional Board investigations of potential contaminated sites. The information includes a description of all potential sources of contamination investigated by the Regional Board, including:

- maps showing the location of all investigation sites;
- available cause-and-effect relationships between pollution sources and contaminated wells; and
- plans and tentative schedules to abate the source of pollution and to clean up the soil and water.

Watermaster has reviewed a large amount of information gathered in Regional Board files and entered it into a database. This information is used in Watermaster's Section 28 process to help evaluate changes in pumping practices in relation to known contamination sources.

## **AQUIFER PERFORMANCE TESTS**

Watermaster has developed a groundwater flow model for the entire Basin that assists in evaluating the potential impacts of changes in groundwater production.

Although Watermaster completed its three-year Aquifer Performance Test investigation, additional tests will be conducted as required for Section 28 applications or for other needs. A tabulation of potential Aquifer Performance Test investigation sites is included in Appendix D. The sites identified include a pumping well and at least one monitoring well. The tests provide information on the characteristics of the aquifer, such as transmissivity, hydraulic conductivity, and coefficient of storage. The information gathered on aquifer characteristics will support cleanup activities including groundwater model development and calibration (see Appendix D).

# DIRECTORY TO APPENDICES

The Following Appendices Are Found in This Section:

- A. Projected Groundwater Demands from 2009-10 to 2013-14
- B. Simulated Changes in Groundwater Elevations at Wells or Wellfields in Main San Gabriel Basin
- C. Highlights of Volatile Organic Compounds and Nitrate Concentrations and Wells Vulnerable to Contamination
- D. Potential Sites for Aquifer Performance Tests
- E. Summary of Treatment Facility Activity in the Main San Gabriel Basin
- F. Maps Showing Wells Vulnerable to VOC, Nitrate and Perchlorate Contamination Within Five Years (Figures 8a, 8b, and 8c)
- G. Simulated Basin Groundwater Contours 2008-09 and 2013-14 (Figures 9 and 10)

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# **APPENDIX A.**

## **PROJECTED GROUNDWATER DEMANDS FROM 2009-10 TO 2013-14**

# **APPENDIX A**

## **PROJECTED GROUNDWATER DEMANDS FROM 2009-10 TO 2013-14**

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2008-09 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2009-10	2010-11	2011-12	2012-13	2013-14
ADAMS RANCH MUTUAL WATER COMPANY									
1902106	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902689	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000182	3	NA	NA	66.59	70.00	70.00	70.00	70.00	70.00
SUBTOTAL:		NA	NA	66.59	70.00	70.00	70.00	70.00	70.00
ALHAMBRA, CITY OF (1)									
1900010	MOELR (8)	3,145	1,950	11.74	14.45	14.73	14.74	14.69	14.69
1900011	9	887	550	621.92	765.56	780.41	780.95	778.45	778.45
1900012	10	323	200	166.32	204.73	208.71	208.85	208.18	208.18
1900013	12	968	600	2.56	3.15	3.21	3.21	3.20	3.20
1900014	13	2,371	1,470	0.00	0.00	0.00	0.00	0.00	0.00
1900015	14	2,016	1,250	1,468.75	1,807.97	1,843.05	1,844.33	1,838.43	1,838.43
1900016	15	1,823	1,130	1,814.96	2,234.14	2,277.49	2,279.07	2,271.78	2,271.78
1900017	2 LON	2,355	1,460	2,163.76	2,663.50	2,715.18	2,717.06	2,708.37	2,708.37
1900018	GARF	763	473	0.00	0.00	0.00	0.00	0.00	0.00
1902789	1 LON	1,529	948	1,225.93	1,509.07	1,538.35	1,539.42	1,534.49	1,534.49
1903014	11	839	520	867.79	1,068.21	1,088.94	1,089.69	1,086.21	1,086.21
1903097	7	2,581	1,600	866.98	1,067.22	1,087.92	1,088.68	1,085.19	1,085.19
SUBTOTAL:		19,600	12,151	9,210.71	11,338.00	11,558.00	11,566.00	11,529.00	11,529.00
AMARILLO MUTUAL WATER COMPANY (SAN GABRIEL VALLEY WATER COMPANY) (1)									
1900791	1	644	399	368.27	612.72	624.97	637.47	650.22	663.22
1900792	2	424	263	1.70	0.71	0.73	0.73	0.74	0.77
SUBTOTAL:		1,068	662	369.97	613.42	625.70	638.20	650.97	663.99
ANDERSON, RAY L. AND HELEN									
8000085	NA	18	11	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		18	11	0.00	0.00	0.00	0.00	0.00	0.00
ARCADIA, CITY OF (1)									
1901013	1 LON	3,629	2,250	778.83	1,035.88	1,038.47	1,041.06	1,043.67	1,043.67
1901014	2 LON	3,629	2,250	0.00	1,035.88	1,038.47	1,041.06	1,043.67	1,043.67
1901015	1 BAL	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902077	1 CAM	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902078	2 CAM	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902084	2 LGY	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902358	1 STJ	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902791	2 BAL	323	200	134.32	281.17	279.76	280.46	281.16	281.16
1902854	1 PEC	5,646	3,500	4,329.37	3,973.44	3,983.37	3,993.33	4,003.32	4,003.32
8000127	1 LO	7,097	4,400	4,495.57	3,385.93	3,394.39	3,402.88	3,411.39	3,411.39
8000177	2 STJ	4,839	3,000	1,041.97	896.73	898.97	901.22	903.47	903.47
SUBTOTAL:		20,324	15,600	10,780.06	10,609.02	10,633.43	10,660.02	10,686.67	10,686.67
ATTALLA, MARY L.									
8000119	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
AZUSA, CITY OF (AZUSA AGRICULTURE WATER COMPANY, AZUSA VALLEY WATER COMPANY) (1)									
1902533	5 (1)	1,613	1,000	1,461.94	1,345.00	1,345.00	1,345.00	1,345.00	1,345.00
1902535	6 (3)	4,839	3,000	264.75	229.00	229.00	229.00	229.00	229.00
1902536	GENESIS 1 (4)	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902537	GENESIS 2 (5)	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902538	GENESIS 3 (6)	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000072	1 (7)	5,242	3,250	1,723.80	2,482.00	2,482.00	2,482.00	2,482.00	2,482.00
8000086	3 (8)	4,516	2,800	2,990.03	2,772.00	2,772.00	2,772.00	2,772.00	2,772.00
1902457	2 (1 NORTH)	4,516	2,800	4,121.96	4,020.00	4,020.00	4,020.00	4,020.00	4,020.00
1902458	4 (2 SOUTH)	4,033	2,500	3,411.20	2,753.00	2,753.00	2,753.00	2,753.00	2,753.00
1902113	AVWC 1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00

# APPENDIX A

## PROJECTED GROUNDWATER DEMANDS FROM 2009-10 TO 2013-14

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2008-09 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2009-10	2010-11	2011-12	2012-13	2013-14
1902114	AVCW 2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902115	8 (AVWC 4)	2,984	1,850	51.57	42.00	42.00	42.00	42.00	42.00
1902116	7 (AVWC 5)	1,694	1,050	66.63	114.00	114.00	114.00	114.00	114.00
1902117	9 (AVWC 6)	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902425	AVWC 7	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000103	10 (AVWC 8)	4,194	2,600	6.25	9.00	9.00	9.00	9.00	9.00
8000178	11	3,549	2,200	1,388.34	1,761.00	1,761.00	1,761.00	1,761.00	1,761.00
8000179	12	2,581	1,600	1,182.01	1,198.00	1,198.00	1,198.00	1,198.00	1,198.00
1903119	VULCAN			26.15	50.00	50.00	50.00	50.00	50.00
SUBTOTAL:		15,001	9,300	16,694.63	16,775.00	16,775.00	16,775.00	16,775.00	16,775.00
<b>CEMEX CONSTRUCTION MATERIALS L.P. (AZ-TWO INC.)</b>									
1900038	2	2,305	1,429	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		2,305	1,429	0.00	0.00	0.00	0.00	0.00	0.00
<b>B &amp; B RED-I-MIX CONCRETE INC.</b>									
1902589	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
<b>BANKS, GALE &amp; VICKI (1)</b>									
1900415	NA	560	347	27.46	25.00	25.00	25.00	25.00	25.00
SUBTOTAL		560	347	27.46	25.00	25.00	25.00	25.00	25.00
<b>BASELINE WATER COMPANY</b>									
1901200	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901201	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901202	3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
<b>BEVERLY ACRES MUTUAL</b>									
8000004	ROSE HILLS	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
<b>BIRENBAUM, MAX</b>									
8000005	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
<b>BROOKS, GIFFORD JR.</b>									
1902144	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
<b>BURBANK DEVELOPMENT COMPANY</b>									
1900093	BURB	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
<b>CALIFORNIA-AMERICAN WATER COMPANY/DUARTE SYSTEM (1)</b>									
1900354	STA FE	3,226	2,000	1,032.03	1,154.50	1,171.80	1,189.39	1,207.27	1,225.31
1900355	B-V	3,468	2,150	818.43	915.55	929.27	943.22	957.40	971.70
1900356	MT AVE	1,936	1,200	0.00	0.00	0.00	0.00	0.00	0.00
1900357	LAS L	1,113	690	0.00	0.00	0.00	0.00	0.00	0.00
1900358	FISH C	1,936	1,200	39.14	43.78	44.44	45.11	45.79	46.47
1902907	WILEY	2,581	1,600	1,883.94	2,107.51	2,139.08	2,171.19	2,203.84	2,236.76
1903018	CR HV	2,823	1,750	1,711.57	1,914.68	1,943.36	1,972.54	2,002.20	2,032.11
8000139	ENCTO	3,549	2,200	763.02	853.57	866.35	879.36	892.58	905.92

# APPENDIX A

## PROJECTED GROUNDWATER DEMANDS FROM 2009-10 TO 2013-14

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2008-09 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2009-10	2010-11	2011-12	2012-13	2013-14
8000140	LASL 2	2,742	1,700	728.38	814.82	827.02	839.44	852.06	864.79
11900497	BACON	726	450	5.00	5.59	5.68	5.76	5.85	5.94
SUBTOTAL:		24,098	14,940	6,981.51	7,810.00	7,927.00	8,046.00	8,167.00	8,289.00
CALIFORNIA-AMERICAN WATER COMPANY/SAN MARINO SYSTEM(1)									
1900917	HALL	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900918	GUESS	634	393	0.00	0.00	0.00	0.00	0.00	0.00
1900919	MISVW	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900920	MISVW	2,571	1,594	1,851.37	1,870.31	1,898.42	1,926.75	1,955.71	1,984.88
1900921	RIC-1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900922	RIC-2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900923	IVR-1	1,339	830	0.00	0.00	0.00	0.00	0.00	0.00
1900924	MAR-1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900925	MAR-2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900926	GRAND	1,816	1,126	937.55	947.14	961.38	975.72	990.39	1,005.16
1900927	ROSE	929	576	881.75	890.77	904.16	917.65	931.44	945.34
1900934	ROAN	1,952	1,210	0.00	0.00	0.00	0.00	0.00	0.00
1900935	LONG	3,152	1,954	684.53	691.53	701.93	712.40	723.11	733.89
1901441	BR-1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902424	HOWL	1,707	1,058	279.89	282.75	287.00	291.29	295.66	300.07
1902787	BR-2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902867	IVR-2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1903019	MAR-3	2,766	1,715	1,666.55	1,683.60	1,708.91	1,734.40	1,760.47	1,786.73
1903059	DELMAR	1,571	974	1,094.22	1,105.41	1,122.03	1,138.77	1,155.89	1,173.13
8000175	HALL-2	NA	NA	1,362.54	1,376.48	1,397.17	1,418.02	1,439.33	1,460.80
SUBTOTAL:		18,437	11,430	8,758.40	8,848.00	8,981.00	9,115.00	9,252.00	9,390.00
CALIFORNIA COUNTRY CLUB									
1902529	CLUB	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902531	ARTES	1,129	700	0.06	2.73	2.73	2.73	2.73	2.73
1903084	SYC	1,290	800	0.05	2.27	2.27	2.27	2.27	2.27
SUBTOTAL:		2,420	1,500	0.11	5.00	5.00	5.00	5.00	5.00
CALIFORNIA DOMESTIC WATER COMPANY (1)									
1901181	2	5,404	3,350	881.35	929.25	1,041.40	1,078.79	1,116.17	1,148.21
1901182	1-E	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901183	5	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901185	13-N	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902967	6	6,775	4,200	3,877.61	4,088.37	4,581.79	4,746.26	4,910.74	5,051.72
1903057	3	7,581	4,700	7,000.07	7,380.54	8,271.29	8,568.21	8,865.13	9,119.63
1903081	8	5,162	3,200	717.71	756.72	848.05	878.49	908.93	935.03
8000100	5A	7,742	4,800	4,026.29	4,245.13	4,757.47	4,928.25	5,099.03	5,245.41
8000174	14	4,516	2,800	0.00	0.00	0.00	0.00	0.00	0.00
11900092	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		37,180	23,050	16,503.03	17,400.00	19,500.00	20,200.00	20,900.00	21,500.00
CEDAR AVENUE MUTUAL WATER COMPANY									
1901411	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902783	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		0	0	0.00	0.00	0.00	0.00	0.00	0.00
CHAMPION MUTUAL WATER COMPANY									
1900908	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902816	2	516	320	0.69	7.92	7.92	7.92	7.92	7.92
8000121	3	145	90	98.08	79.58	79.58	79.58	79.58	79.58
SUBTOTAL:		661	410	98.77	87.50	87.50	87.50	87.50	87.50
CHEVRON USA									
1900250	TEMP1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00

# **APPENDIX A**

## **PROJECTED GROUNDWATER DEMANDS FROM 2009-10 TO 2013-14**

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2008-09 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2009-10	2010-11	2011-12	2012-13	2013-14
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
CLAYTON MANUFACTURING COMPANY									
1901055	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000170	MW-4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
COLLISON, E.O.									
1902968	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
VULCAN MATERIALS COMPANY (CALMAT COMPANY)									
1902920	E DUR	6,386	3,959	256.97	299.56	320.96	342.35	363.75	385.15
1903088	1 REL	4,068	2,522	264.79	308.67	330.72	352.77	374.82	396.87
8000063	W DUR	NA	NA	78.72	91.77	98.32	104.88	111.43	117.99
SUBTOTAL:		10,454	6,481	600.48	700.00	750.00	800.00	850.00	900.00
CORCORAN BROS.									
1902814	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
COUNTY SANITATION DISTRICT NO. 18									
8000008	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000009	3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000104	LE 1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000105	LE 2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000106	LE 3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000107	LE 4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000128	EO8A	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000129	E09A	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000130	E10A	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000131	E11A	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000141	EX1	NA	NA	0.48	0.45	0.45	0.45	0.45	0.45
8000142	EX2	NA	NA	0.37	0.35	0.35	0.35	0.35	0.35
8000143	EX3	NA	NA	0.08	0.08	0.08	0.08	0.08	0.08
8000144	EX4	NA	NA	0.06	0.06	0.06	0.06	0.06	0.06
8000153	E16A	NA	NA	1.24	1.17	1.17	1.17	1.17	1.17
8000154	E17A	NA	NA	2.48	2.34	2.34	2.34	2.34	2.34
8000155	E18A	NA	NA	0.67	0.63	0.63	0.63	0.63	0.63
8000156	E19A	NA	NA	1.30	1.23	1.23	1.23	1.23	1.23
8000173	E20A	NA	NA	1.65	1.56	1.56	1.56	1.56	1.56
8000161	E01R	NA	NA	0.24	0.23	0.23	0.23	0.23	0.23
8000162	E03R	NA	NA	0.05	0.05	0.05	0.05	0.05	0.05
8000163	E05R	NA	NA	1.03	0.97	0.97	0.97	0.97	0.97
8000164	E07R	NA	NA	1.83	1.73	1.73	1.73	1.73	1.73
8000165	E02R	NA	NA	2.04	1.93	1.93	1.93	1.93	1.93
8000166	E04R	NA	NA	0.75	0.71	0.71	0.71	0.71	0.71
8000167	E06R	NA	NA	0.37	0.35	0.35	0.35	0.35	0.35
8000168	E08R	NA	NA	1.23	1.16	1.16	1.16	1.16	1.16
SUBTOTAL:		NA	NA	15.87	15.00	15.00	15.00	15.00	15.00
AZUSA ASSOCIATES LLC (COVELL, ET AL)									
1900390	DALTON	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
COVINA, CITY OF									
1901685	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901686	2	968	600	0.00	0.00	0.00	0.00	0.00	0.00
1901687	3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00

# APPENDIX A

## PROJECTED GROUNDWATER DEMANDS FROM 2009-10 TO 2013-14

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2008-09 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2009-10	2010-11	2011-12	2012-13	2013-14
SUBTOTAL:		968	600	0.00	0.00	0.00	0.00	0.00	0.00
COVINA IRRIGATING COMPANY (1)									
1900881	CONTR	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900882	3 BAL	3,549	2,200	2,221.30	2,400.00	2,600.00	2,600.00	2,600.00	2,600.00
1900883	2 BAL	3,226	2,000	1,673.94	2,000.00	2,400.00	2,400.00	2,400.00	2,400.00
1900885	1 BAL	2,420	1,500	1,367.48	1,600.00	2,000.00	2,000.00	2,000.00	2,000.00
11900880	VALEN	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
21900880	VALEN	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		9,194	5,700	5,262.72	6,000.00	7,000.00	7,000.00	7,000.00	7,000.00
CREVOLIN, A.J.									
8000011	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
CROWN CITY PLATING COMPANY									
8000012	01	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
DAVIDSON OPTRONICS INC.									
8000013	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
DAWES, MARY K.									
1902952	04	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
DEL RIO MUTUAL WATER COMPANY (1)									
1900331	BURKE	261	162	117.89	125.00	125.00	125.00	125.00	125.00
1900332	KLING	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		261	162	117.89	125.00	125.00	125.00	125.00	125.00
DRIFTWOOD DAIRY									
1902924	01	298	185	149.92	150.00	150.00	150.00	150.00	150.00
SUBTOTAL:		298	185	149.92	150.00	150.00	150.00	150.00	150.00
DUNNING, GEORGE									
1900091	1910	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
EAST PASADENA WATER COMPANY, LTD. (1)									
11901508	9	2,500	1,550	1,454.34	1,773.69	1,791.43	1,809.34	1,827.43	1,827.43
SUBTOTAL:		2,500	1,550	1,454.34	1,773.69	1,791.43	1,809.34	1,827.43	1,827.43
EL MONTE, CITY OF (1)									
1901692	2A	1,532	950	383.59	424.23	424.23	424.23	424.23	424.23
1901693	3	1,936	1,200	0.00	0.00	0.00	0.00	0.00	0.00
1901694	4	2,258	1,400	0.00	0.00	0.00	0.00	0.00	0.00
1901695	5	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901699	10	2,420	1,500	454.79	502.97	502.97	502.97	502.97	502.97
1901700	11	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902612	MT VW	807	500	0.00	0.00	0.00	0.00	0.00	0.00



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RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2008-09 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2009-10	2010-11	2011-12	2012-13	2013-14
1903137	12	3,468	2,150	739.81	818.19	818.19	818.19	818.19	818.19
8000066		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000101	13	4,678	2,900	979.81	1,083.61	1,083.61	1,083.61	1,083.61	1,083.61
SUBTOTAL:		17,098	10,600	2,558.00	2,829.00	2,829.00	2,829.00	2,829.00	2,829.00
<b>EL MONTE CEMETERY ASSOCIATION</b>									
8000017	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
<b>FRUIT STREET WATER COMPANY</b>									
1901199	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
<b>GLENDORA, CITY OF (1)</b>									
1900826	11-E	1,281	794	485.04	577.66	597.24	616.82	616.82	616.82
1900827	12-G	2,957	1,833	2,524.94	3,007.09	3,109.02	3,210.96	3,210.96	3,210.96
1900828	10-E	629	390	306.42	364.93	377.30	389.67	389.67	389.67
1900829	8-E	2,258	1,400	1,559.84	1,857.70	1,920.67	1,983.64	1,983.64	1,983.64
1900830	9-E	2,757	1,709	1,285.58	1,531.07	1,582.97	1,634.87	1,634.87	1,634.87
1900831	7-G	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901523	1-E	347	215	39.97	47.60	49.22	50.83	50.83	50.83
1901524	4-E	3,549	2,200	0.00	0.00	0.00	0.00	0.00	0.00
1901525	3-G	3,307	2,050	0.00	0.00	0.00	0.00	0.00	0.00
1901526	2-E	484	300	491.37	585.20	605.04	624.87	624.87	624.87
8000003		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000149	5-E	3,039	1,884	2,166.04	2,579.65	2,667.10	2,754.54	2,754.54	2,754.54
8000184	13-E	1,168	724	1,048.83	1,249.11	1,291.45	1,333.79	1,333.79	1,333.79
SUBTOTAL:		21,774	13,499	9,908.03	11,800.00	12,200.00	12,600.00	12,600.00	12,600.00
<b>GOEDERT, LILLIAN</b>									
8000027	GOEDERT	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
<b>GREEN, WALTER</b>									
8000027	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000028	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
<b>HANSEN, ALICE</b>									
8000029	2946	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
<b>HARTLEY, DAVID</b>									
8000029	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
<b>HEMLOCK MUTUAL WATER COMPANY</b>									
1901178	NORTH	219	136	40.30	44.88	44.88	44.88	44.88	44.88
1902806	SOUTH	516	320	67.45	75.12	75.12	75.12	75.12	75.12
SUBTOTAL:		736	456	107.75	120.00	120.00	120.00	120.00	120.00
<b>INDUSTRY WATERWORKS SYSTEM, CITY OF (1)</b>									
1902581	1	2,887	1,790	0.00	0.00	0.00	0.00	0.00	0.00
1902582	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00

# APPENDIX A

## PROJECTED GROUNDWATER DEMANDS FROM 2009-10 TO 2013-14

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2008-09 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2009-10	2010-11	2011-12	2012-13	2013-14
1902583	5TH AVE	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000078	3	2,420	1,500	0.00	0.00	0.00	0.00	0.00	0.00
8000096	4	3,871	2,400	0.00	0.00	0.00	0.00	0.00	0.00
8000097	5	1,936	1,200	1.59	712.00	712.00	712.00	712.00	712.00
SUBTOTAL:		11,114	6,890	1.59	712.00	712.00	712.00	712.00	712.00
KIYAN, HIDEO									
1902970	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
LA PUENTE VALLEY COUNTY WATER DISTRICT (1)									
1901459	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901460	2	2,016	1,250	932.23	1,840.00	1,840.00	1,840.00	1,840.00	1,840.00
1902859	3	2,016	1,250	1,236.77	541.18	541.18	541.18	541.18	541.18
8000062	4	807	500	0.00	865.88	865.88	865.88	865.88	865.88
8000209	5	NA	NA	1,623.79	432.94	432.94	432.94	432.94	432.94
SUBTOTAL:		4,839	3,000	3,792.79	3,680.00	3,680.00	3,680.00	3,680.00	3,680.00
LA VERNE, CITY OF									
1902322	SNIDO	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
LAKIN, KELLY									
8000158	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
LANDEROS, JOHN									
8000031	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
HANSON AGGREGATES WEST, INC. (LIVINGSTON-GRAHAM)									
1900961	1 DUA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900963	1 KIN	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901492	1 EL	3,302	2,047	186.96	199.94	233.27	266.59	299.91	333.24
1901493	3 EL	4,563	2,829	91.37	97.71	114.00	130.29	146.57	162.86
1903006	4 EL	356	221	2.19	2.34	2.73	3.12	3.51	3.90
SUBTOTAL:		8,221	5,097	280.52	300.00	350.00	400.00	450.00	500.00
LOS ANGELES, COUNTY OF									
1902579	1 WHI	2,710	1,680	946.63	940.04	940.04	940.04	940.04	940.04
1902580	2	1,697	1,052	0.00	0.00	0.00	0.00	0.00	0.00
1902663	3	566	351	0.00	0.00	0.00	0.00	0.00	0.00
1902664	4	832	516	0.00	0.00	0.00	0.00	0.00	0.00
1902665	5	652	404	327.55	325.27	325.27	325.27	325.27	325.27
1902666	6	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000070	1 SF	3,349	2,076	891.90	885.69	885.69	885.69	885.69	885.69
8000074	2 SF	458	284	30.29	30.08	30.08	30.08	30.08	30.08
8000088	B RED	174	108	49.89	49.54	49.54	49.54	49.54	49.54
8000089	N LK	1,323	820	1,133.86	1,125.96	1,125.96	1,125.96	1,125.96	1,125.96
8000090	600	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
11902158	BN PK	2,087	1,294	0.00	0.00	0.00	0.00	0.00	0.00
8000150	3A	1,936	1,200	252.44	250.68	250.68	250.68	250.68	250.68
NA	WNOU	NA	NA	1,906.01	1,892.74	1,892.74	1,892.74	1,892.74	1,892.74
SUBTOTAL:		15,783	9,785	5,538.57	5,500.00	5,500.00	5,500.00	5,500.00	5,500.00
LOS FLORES MUTUAL WATER COMPANY									

# APPENDIX A

## PROJECTED GROUNDWATER DEMANDS FROM 2009-10 TO 2013-14

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2008-09 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2009-10	2010-11	2011-12	2012-13	2013-14
11902098	1-LO	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
21902098	1-HI	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
<b>LOUCKS, DAVID</b>									
8000032	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
<b>MAECHTLEN, J.J. TRUSTEE</b>									
1902321	OLD60	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902322	SNIDO	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902323	M & N	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
<b>MANNING BROS. ROCK &amp; SAND COMPANY</b>									
1900117	36230	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
<b>MAPLE WATER COMPANY (SUBURBAN WATER SYSTEMS)</b>									
1900042	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000109	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
<b>MARTINEZ, FRANCES MERCY</b>									
8000033	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
<b>METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA</b>									
1900693	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900694	3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
<b>MILLER BREWERIES WEST, L.P. (MILLER BREWING COMPANY)</b>									
8000034		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000075	1	5,533	3,430	12.56	20.00	20.00	20.00	20.00	20.00
8000076	2	5,533	3,430	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		11,065	6,860	12.56	20.00	20.00	20.00	20.00	20.00
<b>MONROVIA, CITY OF (1)</b>									
1900417	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900418	2	3,549	2,200	845.68	950.18	961.17	972.15	983.14	994.12
1900419	3	2,581	1,600	1,020.19	1,146.26	1,159.51	1,172.76	1,186.01	1,199.26
1900420	4	3,226	2,000	1,116.19	1,254.12	1,268.62	1,283.12	1,297.62	1,312.11
1940104	5	4,678	2,900	2,596.33	2,917.16	2,950.89	2,984.61	3,018.34	3,052.06
8000171	6	4,516	2,800	2,120.27	2,382.28	2,409.82	2,437.36	2,464.90	2,492.44
SUBTOTAL:		18,550	11,500	7,698.66	8,650.00	8,750.00	8,850.00	8,950.00	9,050.00
<b>MONROVIA NURSERY</b>									
1902456	DIV 4	NA	NA	0.39	20.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.39	20.00	0.00	0.00	0.00	0.00
<b>MONTEREY PARK, CITY OF (1)</b>									
1900453	1	1,613	1,000	211.82	260.74	263.44	266.15	266.15	266.15

# **APPENDIX A**

## **PROJECTED GROUNDWATER DEMANDS FROM 2009-10 TO 2013-14**

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2008-09 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2009-10	2010-11	2011-12	2012-13	2013-14
1900454	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900455	3	1,532	950	252.82	311.21	314.44	317.67	317.67	317.67
1900456	4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900457	5	2,903	1,800	1,890.25	2,326.82	2,350.94	2,375.11	2,375.11	2,375.11
1900458	6	968	600	0.00	0.00	0.00	0.00	0.00	0.00
1902372	7	1,290	800	417.15	513.49	518.82	524.15	524.15	524.15
1902373	8	2,903	1,800	14.50	17.85	18.03	18.22	18.22	18.22
1902690	9	2,903	1,800	9.00	11.08	11.19	11.31	11.31	11.31
1902818	10	2,903	1,800	1,772.68	2,182.10	2,204.72	2,227.38	2,227.38	2,227.38
1903033	12	3,226	2,000	3,302.19	4,064.86	4,107.00	4,149.22	4,149.22	4,149.22
1903092	14	1,129	700	0.00	0.00	0.00	0.00	0.00	0.00
8000126	FERN	1,613	1,000	169.24	208.33	210.49	212.65	212.65	212.65
8000196	15	3,226	2,000	1,441.58	1,774.53	1,792.92	1,811.35	1,811.35	1,811.35
SUBTOTAL:		26,211	16,250	9,481.23	11,671.00	11,792.00	11,913.21	11,913.21	11,913.21
<b>NAMIMATSU FARMS INC.</b>									
1901034	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
<b>NICK TOMOVICH &amp; SON</b>									
8000037	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
<b>NO. 17 WALNUT PLACE MUTUAL WATER COMPANY</b>									
8000038	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
<b>OWL ROCK PRODUCTS (ROBERTSON'S READY MIX)</b>									
1900043	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902241	NA	3,205	1,987	0.00	0.00	0.00	0.00	0.00	0.00
1903119	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		3,205	1,987	0.00	0.00	0.00	0.00	0.00	0.00
<b>PARK WATER CO.</b>									
1901307	26-A	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000039	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
<b>PICO COUNTY WATER DISTRICT</b>									
8000040	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
<b>POLOPOLUS, ET AL</b>									
1902169	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
<b>CITRUS VALLEY MEDICAL CENTER, QUEEN OF THE VALLEY CAMPUS (QUEEN OF THE VALLEY HOSPITAL)</b>									
8000138	NA	NA	NA	25.30	25.00	25.00	25.00	25.00	25.00
SUBTOTAL:		NA	NA	25.30	25.00	25.00	25.00	25.00	25.00
<b>RICHWOOD MUTUAL WATER COMPANY</b>									
1901521	1 SOUTH	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901522	2 NORTH	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00

# APPENDIX A

## PROJECTED GROUNDWATER DEMANDS FROM 2009-10 TO 2013-14

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2008-09 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2009-10	2010-11	2011-12	2012-13	2013-14
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
<b>WORKMAN MILL INVESTMENT COMPANY (RINCON DITCH COMPANY)</b>									
1902790	4	2,153	1,335	92.29	100.00	100.00	100.00	100.00	100.00
SUBTOTAL:		2,153	1,335	92.29	100.00	100.00	100.00	100.00	100.00
<b>WORKMAN MILL INVESTMENT COMPANY (RINCON IRRIGATION COMPANY)</b>									
1900132	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
11900095	2	1,428	885	0.04	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		1,428	885	0.04	0.00	0.00	0.00	0.00	0.00
<b>WORKMAN MILL INVESTMENT COMPANY (ROSE HILLS MEMORIAL PARK)</b>									
1900052	3	1,192	739	0.05	0.05	0.05	0.05	0.05	0.05
1900094	1	673	417	391.85	399.95	399.95	399.95	399.95	399.95
SUBTOTAL:		1,865	1,156	391.90	400.00	400.00	400.00	400.00	400.00
<b>RURBAN HOMES MUTUAL WATER COMPANY (1)</b>									
1900120	1-NORTH	484	300	109.28	59.15	59.15	59.15	59.15	59.15
1900121	2-SOUTH	484	300	110.56	59.85	59.85	59.85	59.85	59.85
SUBTOTAL:		968	600	219.84	119.00	119.00	119.00	119.00	119.00
<b>RUTH, ROY</b>									
8000041	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
<b>S.L.S. &amp; N. INC.</b>									
8000151	NA	NA	NA	65.95	70.00	80.00	80.00	80.00	80.00
SUBTOTAL:		NA	NA	65.95	70.00	80.00	80.00	80.00	80.00
<b>SAN GABRIEL COUNTRY CLUB</b>									
1900547	1	NA	NA	0.14	16.51	16.51	16.51	16.51	16.51
1902979	2	750	465	296.18	283.49	283.49	283.49	283.49	283.49
SUBTOTAL:		750	465	296.32	300.00	300.00	300.00	300.00	300.00
<b>SAN GABRIEL COUNTY WATER DISTRICT (1)</b>									
1901669	5 BRA	1,613	1,000	0.00	0.00	0.00	0.00	0.00	0.00
1901670	6 BRA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901671	7	1,048	650	955.59	1,330.00	1,330.00	1,330.00	1,330.00	1,330.00
1901672	8	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902785	9	2,258	1,400	2,079.41	2,100.00	2,100.00	2,100.00	2,100.00	2,100.00
1902786	10	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000067	11	1,532	950	721.86	1,090.00	1,110.00	1,130.00	1,150.00	1,170.00
8000123	12	3,387	2,100	1,827.20	1,770.00	1,790.00	1,810.00	1,830.00	1,850.00
8000133	14	3,549	2,200	1,458.04	1,295.00	1,315.00	1,335.00	1,355.00	1,375.00
SUBTOTAL:		13,388	8,300	7,042.10	7,585.00	7,645.00	7,705.00	7,765.00	7,825.00
<b>SAN GABRIEL VALLEY WATER COMPANY (1)</b>									
1900725	G4A	1,855	1,150	451.60	850.00	850.00	850.00	850.00	850.00
1900733	5A	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902635	B1	1,815	1,125	0.00	0.00	0.00	0.00	0.00	0.00
8000112	B5C	3,186	1,975	0.00	0.00	0.00	0.00	0.00	0.00
8000038	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
211900729	1B	2,742	1,700	14.28	500.00	500.00	550.00	550.00	550.00
11902946	1C	2,452	1,520	96.82	50.00	50.00	50.00	50.00	50.00
18000081	1B4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00

# APPENDIX A

## PROJECTED GROUNDWATER DEMANDS FROM 2009-10 TO 2013-14

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2008-09 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2009-10	2010-11	2011-12	2012-13	2013-14
18000082	1B5	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
18000102	1D	4,678	2,900	1,657.38	350.00	350.00	350.00	350.00	350.00
21900749	2C	1,924	1,193	0.00	0.00	0.00	0.00	0.00	0.00
21902857	2D	3,226	2,000	604.42	350.00	350.00	350.00	350.00	350.00
28000065	2E	4,436	2,750	1,542.85	500.00	500.00	500.00	500.00	500.00
31900736	8A	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
31900746	8B	2,016	1,250	285.28	1,350.00	1,350.00	1,350.00	1,350.00	1,350.00
31900747	8C	2,097	1,300	136.45	1,200.00	1,200.00	1,200.00	1,200.00	1,200.00
31903103	8D	5,000	3,100	1,273.20	1,650.00	1,650.00	1,650.00	1,650.00	1,650.00
38000113	8E	4,839	3,000	63.91	600.00	600.00	600.00	600.00	600.00
41900739	11A	4,436	2,750	2,388.01	325.00	325.00	325.00	325.00	325.00
41900745	11B	2,984	1,850	1,018.11	725.00	725.00	725.00	725.00	725.00
41902713	11C	1,742	1,080	172.58	325.00	325.00	325.00	325.00	325.00
48000083	11B7	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
51902858	B4B	3,629	2,250	0.00	0.00	0.00	0.00	0.00	0.00
51902947	B4C	3,629	2,250	0.00	0.00	0.00	0.00	0.00	0.00
61900718	B5A	3,065	1,900	0.00	0.00	0.00	0.00	0.00	0.00
61900719	B5B	5,323	3,300	3,629.87	5,200.00	5,200.00	5,200.00	5,200.00	5,200.00
71900721	B6B	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
71903093	B6C	3,226	2,000	0.64	50.00	50.00	50.00	50.00	50.00
78000084	B6B2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
78000098	B6D	3,226	2,000	1.28	50.00	50.00	50.00	50.00	50.00
81902525	B2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000122	B7E	968	600	551.79	300.00	300.00	300.00	300.00	300.00
91901435	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
91901436	B8	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
91901437	B9	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
91901439	B11A	968	600	0.00	475.00	475.00	475.00	475.00	475.00
91901440	B7B	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
98000068	B7C	3,791	2,350	2,337.78	1,100.00	1,100.00	1,100.00	1,100.00	1,100.00
98000094	B7D	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
98000099	B9B	1,613	1,000	717.65	500.00	500.00	500.00	500.00	500.00
98000108	B11B	4,033	2,500	1,656.17	875.00	875.00	875.00	875.00	875.00
8000172	1E	5,283	3,275	3,529.18	500.00	500.00	500.00	500.00	500.00
8000160	B5D	4,839	3,000	985.10	200.00	200.00	200.00	200.00	200.00
8000169	8F	5,646	3,500	229.33	200.00	200.00	200.00	200.00	200.00
NA	G4B	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
NA	1F	NA	NA	350.00	350.00	350.00	350.00	350.00	350.00
8000197	2F	NA	2,200	2,273.24	500.00	500.00	500.00	500.00	500.00
NA	B11C	3,226	2,000	0.00	0.00	0.00	0.00	0.00	0.00
8000203	B24A	4,033	2,500	474.12	850.00	850.00	1,200.00	1,200.00	1,200.00
8000204	B24B	4,033	2,500	610.87	850.00	850.00	1,200.00	1,200.00	1,200.00
8000187	B25A	4,516	2,800	2,104.47	4,400.00	4,400.00	4,400.00	4,400.00	4,400.00
8000188	B25B	4,516	2,800	1,908.90	4,400.00	4,400.00	4,400.00	4,400.00	4,400.00
8000189	B26A	1,774	1,100	1,817.21	1,600.00	1,600.00	1,600.00	1,600.00	1,600.00
8000190	B26B	1,774	1,100	2,152.89	1,600.00	1,600.00	1,600.00	1,600.00	1,600.00
8000205	B5E	5,565	3,450	4,834.72	5,200.00	5,200.00	5,200.00	5,200.00	5,200.00
NA	11D	NA	NA	725.00	725.00	725.00	725.00	725.00	725.00
SUBTOTAL:		128,101	81,618	39,520.10	38,700.00	38,700.00	39,450.00	39,450.00	39,450.00
SLOAN RANCHES									
1901198	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000045	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SIERRA LA VERNE COUNTRY CLUB									
8000124	1	NA	NA	19.74	34.82	34.82	34.82	34.82	34.82
8000125	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000192	15 OFFSITE	NA	NA	12.81	15.18	15.18	15.18	15.18	15.18
SUBTOTAL:		NA	NA	32.55	50.00	50.00	50.00	50.00	50.00
SIERRA MADRE, CITY OF									
8000193	NA	NA	NA	0.38	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.38	0.00	0.00	0.00	0.00	0.00

# APPENDIX A

## PROJECTED GROUNDWATER DEMANDS FROM 2009-10 TO 2013-14

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2008-09 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2009-10	2010-11	2011-12	2012-13	2013-14
SONOCO PRODUCTS COMPANY									
1902786	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902971	2	NA	NA	132.63	150.00	150.00	150.00	150.00	150.00
SUBTOTAL:		NA	NA	132.63	150.00	150.00	150.00	150.00	150.00
SOUTH COVINA WATER SERVICE									
1901606	102	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SOUTH PASADENA, CITY OF (1)									
1901679	GRAV 2	1,290	800	565.80	782.57	782.57	782.57	782.57	782.57
1901681	2 WIL	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901682	3 WIL	3,387	2,100	3,132.40	2,618.14	2,618.14	2,618.14	2,618.14	2,618.14
1903086	4 WIL	1,774	1,100	1,199.26	1,371.41	1,371.41	1,371.41	1,371.41	1,371.41
SUBTOTAL:		6,452	4,000	4,897.46	4,772.12	4,772.12	4,772.12	4,772.12	4,772.12
SOUTHERN CALIFORNIA EDISON COMPANY									
1900342	1EB86	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900343	2EB76	211	131	0.00	0.00	0.00	0.00	0.00	0.00
8000046	110RH	NA	NA	0.43	0.47	0.47	0.47	0.47	0.47
8000047	MURAT	2,420	1,500	109.00	119.53	119.53	119.53	119.53	119.53
11900344	38EIS	1,415	877	0.00	0.00	0.00	0.00	0.00	0.00
21900344	38W	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		4,045	2,508	109.43	120.00	120.00	120.00	120.00	120.00
GOLDEN STATE WATER COMPANY (SOUTHERN CALIFORNIA WATER COMPANY)/SAN DIMAS DISTRICT (1)									
1902148	BAS-3	968	600	441.76	663.76	663.76	663.76	663.76	663.76
1902149	BAS-4	1,210	750	678.07	1,018.82	1,018.82	1,018.82	1,018.82	1,018.82
1902150	HWY	1,129	700	1,123.04	1,687.40	1,687.40	1,687.40	1,687.40	1,687.40
1902151	ART-1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902152	ART-2	484	300	0.00	0.00	0.00	0.00	0.00	0.00
1902154	L H-2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902266	COL-1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902267	COL-2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902268	COL-4	726	450	0.00	0.00	0.00	0.00	0.00	0.00
1902269	COL-5	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902270	COL-6	686	425	0.00	0.00	0.00	0.00	0.00	0.00
1902271	COL-7	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902272	COL-8	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902286	CITY	323	200	118.03	177.34	177.34	177.34	177.34	177.34
1902842	ART-3	403	250	480.38	721.78	721.78	721.78	721.78	721.78
31902287	MALON	605	375	486.45	730.90	730.90	730.90	730.90	730.90
SUBTOTAL:		6,533	4,050	3,327.73	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00
GOLDEN STATE WATER COMPANY (SOUTHERN CALIFORNIA WATER COMPANY)/SAN GABRIEL DISTRICT (1)									
1900510	1 S G	1,774	1,100	1,357.27	830.52	832.15	833.79	835.43	837.07
1900511	2 S G	1,452	900	0.00	0.00	0.00	0.00	0.00	0.00
1900512	2 GAR	327	203	0.00	0.00	0.00	0.00	0.00	0.00
1900513	1 GAR	321	199	0.00	0.00	0.00	0.00	0.00	0.00
1900514	3 SAX	565	350	367.50	224.87	225.32	225.76	226.20	226.65
1900515	1 SAX	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000146	4 SAX	1,532	950	1,111.61	680.20	681.54	682.88	684.22	685.56
1902144	1 EAR	589	365	0.00	0.00	0.00	0.00	0.00	0.00
1902017	1 JEF	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902018	2 JEF	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902019	3 JEF	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902020	1 AZU	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902024	1 ENC	1,936	1,200	687.31	420.57	421.40	422.22	423.05	423.88
1902027	1 PER	697	432	92.63	56.68	56.79	56.90	57.02	57.13
1902030	1 GRA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902031	2 GID	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00

# APPENDIX A

## PROJECTED GROUNDWATER DEMANDS FROM 2009-10 TO 2013-14

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2008-09 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2009-10	2010-11	2011-12	2012-13	2013-14
1902032	1 GID	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902034	1 FAR	1,936	1,200	362.33	221.71	222.15	222.58	223.02	223.46
1902035	2 ENC	968	600	262.33	160.52	160.84	161.15	161.47	161.79
1902461	2 GRA	494	306	0.00	0.00	0.00	0.00	0.00	0.00
1902948	2 FAR	1,210	750	270.79	165.70	166.02	166.35	166.68	167.00
8000073	3 ENC	1,048	650	334.76	204.84	205.24	205.65	206.05	206.46
8000111	4 JEF	2,097	1,300	1,785.25	1,092.40	1,094.55	1,096.71	1,098.86	1,101.01
SUBTOTAL:		10,384	6,438	6,631.78	4,058.00	4,066.00	4,074.00	4,082.00	4,090.00
STERLING MUTUAL WATER COMPANY									
1902085	SOUTH	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902096	NORTH	397	246	66.08	81.69	81.69	81.69	81.69	81.69
8000132	NEW SO	NA	NA	55.25	68.31	68.31	68.31	68.31	68.31
SUBTOTAL:		397	246	121.33	150.00	150.00	150.00	150.00	150.00
SUBURBAN WATER SYSTEMS (1)									
1900337	152W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901429	201W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901430	201W2	2,049	1,270	0.00	0.00	0.00	0.00	0.00	0.00
1901431	201W3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901432	201W5	3,123	1,936	0.00	0.00	0.00	0.00	0.00	0.00
1901433	201W4	4,083	2,531	545.46	0.00	0.00	0.00	0.00	0.00
1901434	201W6	3,302	2,047	0.00	0.00	0.00	0.00	0.00	0.00
1901596	147W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901597	142W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901598	139W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901599	139W2	4,049	2,510	0.00	0.00	0.00	0.00	0.00	0.00
1901600	139W3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901602	140W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901604	148W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901608	105W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901609	106W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901610	111W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901611	112W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901612	113W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901613	114W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901614	117W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901615	120W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901616	122W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901617	123W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901618	124W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901619	125W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901620	126W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901621	131W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901622	133W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901623	134W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901624	135W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901625	136W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901627	202W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902119	149W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902519	150W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902760	147W2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902761	153W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902762	154W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902763	157W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1903067	140W3	1,774	1,100	0.00	0.00	0.00	0.00	0.00	0.00
8000069	139W4	4,749	2,944	0.00	0.00	0.00	0.00	0.00	0.00
8000077	147W3	1,860	1,153	1,568.28	1,687.33	1,687.33	1,687.33	1,687.33	1,687.33
8000087	125W2	1,286	797	0.00	0.00	0.00	0.00	0.00	0.00
8000092	126W2	1,234	765	0.00	0.00	0.00	0.00	0.00	0.00
8000093	140W4	4,286	2,657	0.00	0.00	0.00	0.00	0.00	0.00
8000145	140W5	6,468	4,010	1,794.05	1,568.17	1,568.17	1,568.17	1,568.17	1,568.17
8000095	139W5	5,323	3,300	0.00	0.00	0.00	0.00	0.00	0.00
8000152	139W6	5,647	3,501	0.00	0.00	0.00	0.00	0.00	0.00
11902518	151W1	5,162	3,200	0.00	0.00	0.00	0.00	0.00	0.00
21902518	151W2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
31902819	155W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
31902820	155W2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00



# APPENDIX A

## PROJECTED GROUNDWATER DEMANDS FROM 2009-10 TO 2013-14

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2008-09 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2009-10	2010-11	2011-12	2012-13	2013-14
41901605	101W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
41901607	103W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000181	121W1	3,624	2,247	1,864.67	2,630.26	2,630.26	2,630.26	2,630.26	2,630.26
8000183	142W2	4,194	2,600	3,325.80	3,806.13	3,806.13	3,806.13	3,806.13	3,806.13
8000195	201W7	4,615	2,861	4,557.95	4,188.51	4,188.51	4,188.51	4,188.51	4,188.51
8000198	201W8	4,263	2,643	4,426.09	3,868.67	3,868.67	3,868.67	3,868.67	3,868.67
8000207	151W2	5,162	3,200	4,301.37	4,683.87	4,683.87	4,683.87	4,683.87	4,683.87
8000208	201W9	4,121	2,555	4,463.06	3,739.72	3,739.72	3,739.72	3,739.72	3,739.72
	201W10	NA	NA	234.90	2,489.84	2,489.84	2,489.84	2,489.84	2,489.84
SUBTOTAL:		80,371	49,827	27,081.63	28,662.50	28,662.50	28,662.50	28,662.50	28,662.50
<b>SUNNY SLOPE WATER COMPANY (1)</b>									
1900026	8	2,932	1,818	1,007.60	1,047.22	1,122.03	1,196.83	1,271.63	1,294.07
1902792	9	3,094	1,918	1,456.47	1,513.75	1,621.87	1,729.99	1,838.12	1,870.56
8000048	10	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000157	13	3,060	1,897	627.36	652.03	698.60	745.18	791.75	805.72
SUBTOTAL:		9,086	5,633	3,091.43	3,213.00	3,442.50	3,672.00	3,901.50	3,970.35
<b>TEXACO INC.</b>									
1900001	14	519	322	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		519	322	0.00	0.00	0.00	0.00	0.00	0.00
<b>TYLER NURSERY</b>									
8000049	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
<b>UNITED CONCRETE PIPE CORPORATION</b>									
8000067	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
<b>UNITED ROCK PRODUCTS CORPORATION</b>									
1900106	IRW-1	NA	NA	264.38	285.76	317.52	349.27	381.02	317.52
1902532	SIERRA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1903062	IRW-2	NA	NA	568.27	614.24	682.48	750.73	818.98	682.48
SUBTOTAL:		NA	NA	832.65	900.00	1,000.00	1,100.00	1,200.00	1,000.00
<b>UNITED STATES ENVIRONMENTAL PROTECTION AGENCY</b>									
NA	EW4-3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
NA	EW4-4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
NA	EW4-8	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
NA	EW4-9	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		0	0	0.00	0.00	0.00	0.00	0.00	0.00
<b>VALENCIA HEIGHTS WATER COMPANY (1)</b>									
8000051	1	524	325	992.44	206.82	206.82	226.70	228.30	232.27
8000052	2	526	326	0.00	236.36	236.36	259.09	260.91	265.45
8000054	4	NA	NA	0.00	265.91	265.91	291.48	293.52	298.64
8000055	3A	205	127	0.00	0.00	0.00	0.00	0.00	0.00
8000120	5	1,613	1,000	0.00	590.91	590.91	647.73	652.27	663.64
8000180	6	1,331	825						
SUBTOTAL:		4,199	2,603	992.44	1,300.00	1,300.00	1,425.00	1,435.00	1,460.00
<b>VALECITO WATER COMPANY</b>									
1901435	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901436	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901437	3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00

# APPENDIX A

## PROJECTED GROUNDWATER DEMANDS FROM 2009-10 TO 2013-14

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2008-09 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2009-10	2010-11	2011-12	2012-13	2013-14
1901438	4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901439	5	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901440	6	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
<b>VALLEY COUNTY WATER DISTRICT (1)</b>									
1900027	E MAIN	3,387	2,100	2,022.04	2,057.33	2,077.86	2,098.87	2,119.76	2,140.90
1900028	W MAIN	2,178	1,350	1,020.62	1,038.43	1,048.79	1,059.40	1,069.94	1,080.61
1900029	MORADA	1,936	1,200	0.00	0.00	0.00	0.00	0.00	0.00
1900031	PADDY	2,360	1,463	0.00	0.00	0.00	0.00	0.00	0.00
1900032	E NIXON (JOAN)	5,162	3,200	3,101.49	3,155.62	3,187.10	3,219.33	3,251.38	3,283.80
1900034	ARROW	4,839	3,000	0.00	0.00	0.00	0.00	0.00	0.00
1900035	B DAL	4,839	3,000	0.00	0.00	0.00	0.00	0.00	0.00
1901307	11	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902356	W NIXON (JOAN)	5,242	3,250	2,318.08	2,358.54	2,382.07	2,406.16	2,430.11	2,454.34
8000039	PALM	1,194	740	0.00	0.00	0.00	0.00	0.00	0.00
8000060	LANTE (SA1-3)	5,484	3,400	3,528.56	3,590.15	3,625.96	3,662.63	3,699.09	3,735.97
8000185	SA1-1	5,484	3,400	1,587.17	1,614.87	1,630.98	1,647.48	1,663.87	1,680.46
8000186	SA1-2	3,871	2,400	2,973.16	3,025.05	3,055.23	3,086.13	3,116.85	3,147.92
SUBTOTAL:		45,975	28,503	16,551.12	16,840.00	17,008.00	17,180.00	17,351.00	17,524.00
<b>VALLEY VIEW MUTUAL WATER COMPANY (1)</b>									
1900363	1	768	476	42.00	43.08	43.08	43.08	43.08	43.08
1900364	2	310	192	585.88	600.92	600.92	600.92	600.92	600.92
1900365	3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		1,077	668	627.88	644.00	644.00	644.00	644.00	644.00
<b>VIA TRUST</b>									
1903012	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
<b>VIETNAMESE AMERICAN BUDDHIST TEMPLE</b>									
8000191	NA	NA	NA	3.32	3.00	3.00	3.00	3.00	3.00
SUBTOTAL		NA	NA	3.32	3.00	3.00	3.00	3.00	3.00
<b>WHITTIER, CITY OF (1)</b>									
1901745	9	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901746	10	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901747	11	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901748	12	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901749	13	1,774	1,100	856.94	791.72	791.72	791.72	791.72	791.72
8000021	FROM	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000071	15	5,968	3,700	484.54	447.66	447.66	447.66	447.66	447.66
8000110	16	5,968	3,700	4,391.38	4,057.17	4,057.17	4,057.17	4,057.17	4,057.17
8000135	17	6,452	4,000	0.00	0.00	0.00	0.00	0.00	0.00
8000136	18	6,452	4,000	0.00	0.00	0.00	0.00	0.00	0.00
8000200	EW4-5	4,355	2,700	845.18	780.86	780.86	780.86	780.86	780.86
8000201	EW4-6	4,516	2,800	906.34	837.36	837.36	837.36	837.36	837.36
8000202	EW4-7	4,516	2,800	579.32	535.23	535.23	535.23	535.23	535.23
SUBTOTAL:		26,615	16,500	8,063.70	7,450.00	7,450.00	7,450.00	7,450.00	7,450.00
<b>WILMOTT, ERMA M.</b>									
8000006	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
<b>WOODLAND, RICHARD</b>									
1902949	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902950	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00

# APPENDIX A

## PROJECTED GROUNDWATER DEMANDS FROM 2009-10 TO 2013-14

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2008-09 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2009-10	2010-11	2011-12	2012-13	2013-14
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
COINER, JAMES W., DBA COINER NURSERY (WOODLAND FARMS INC.)									
1902951	3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1903072	5R	NA	NA	91.87	90.00	90.00	90.00	90.00	90.00
SUBTOTAL:		NA	NA	91.87	90.00	90.00	90.00	90.00	90.00
TOTAL		673,021	420,948	236,715.72	248,348.25	253,249.18	256,432.89	258,189.90	259,397.77

NOTES :  
 GROUNDWATER PRODUCTION AND DEMANDS IN ACRE-FEET  
 GPM : GALLONS PER MINUTE  
 NA : NOT AVAILABLE  
 (1) PROJECTED GROUND-WATER DEMANDS PROVIDED BY PRODUCER

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## **APPENDIX B.**

# **SIMULATED CHANGES IN GROUNDWATER ELEVATIONS AT WELLS OR WELLFIELDS IN MAIN SAN GABRIEL BASIN**

# APPENDIX B

## SIMULATED CHANGES IN GROUNDWATER ELEVATION AT WELLS OR WELLFIELDS IN MAIN SAN GABRIEL BASIN

WELL OR WELLFIELD	RECORDATION NUMBER	WELL STATUS	SIMULATED ELEVATION (1)		CHANGE (2) (FEET)	REMARKS
			2008-09	2013-14		
ADAMS RANCH MUTUAL WATER COMPANY						
01	1902106	INACTIVE	177.37	177.59	0.22	
02	1902689	INACTIVE				
03	8000182	ACTIVE				
ALHAMBRA, CITY OF						
MOEL (08)	1900010	ACTIVE	140.59	139.21	-1.38	PRODUCTION INCREASED
09	1900011	ACTIVE	136.63	135.30	-1.33	PRODUCTION INCREASED
10	1900012	ACTIVE	142.06	140.87	-1.19	PRODUCTION INCREASED
12	1900013	INACTIVE	141.07	140.25	-0.82	
13	1900014	ACTIVE	146.37	145.26	-1.11	PRODUCTION INCREASED
14	1900015	ACTIVE	138.69	135.88	-2.81	PRODUCTION INCREASED
15	1900016	ACTIVE	150.22	149.06	-1.16	PRODUCTION INCREASED
LON 1	1903014	ACTIVE	132.50	126.99	-5.51	PRODUCTION INCREASED
LON 2	1900017	ACTIVE				
GARF	1900018	INACTIVE	140.59	140.16	-0.43	
11	1903014	ACTIVE	139.59	137.53	-2.06	PRODUCTION INCREASED
07	1903097	STANDBY	140.09	138.50	-1.59	PRODUCTION INCREASED
AMARILLO MUTUAL WATER COMPANY						
01	1900791	ACTIVE	171.89	170.31	-1.58	PRODUCTION INCREASED
02	1900792	ACTIVE				
ARCADIA, CITY OF						
LON 1	1901013	ACTIVE	210.52	209.08	-1.44	PRODUCTION INCREASED
LON 2	1901014	ACTIVE	210.93	209.02	-1.91	PRODUCTION INCREASED
CAM REAL 1	1902077	INACTIVE	204.83	204.85	0.02	
CAM REAL 2	1902078	INACTIVE				
ST JO 2	8000177	ACTIVE	208.94	209.06	0.12	
BAL 2	1902791	ACTIVE	186.42	186.08	-0.34	
PECK 1	1902854	ACTIVE	207.09	207.96	0.87	
L OAK 1	8000127	ACTIVE	201.93	203.93	2.00	PRODUCTION REDUCED
AZUSA, CITY OF (AZUSA AGRICULTURE WATER COMPANY, AZUSA VALLEY WATER COMPANY)						
05 (01)	1902533	ACTIVE	596.66	596.07	-0.59	
06 (03)	1902535	ACTIVE	598.31	597.32	-0.99	
GENESIS 1 (04)	1902536	DESTROYED	258.14	258.13	-0.01	
GENESIS 2 (05)	1902537	DESTROYED	253.10	253.08	-0.02	
GENESIS 3 (06)	1902538	DESTROYED	258.92	258.92	0.00	

## APPENDIX B

### SIMULATED CHANGES IN GROUNDWATER ELEVATION AT WELLS OR WELLFIELDS IN MAIN SAN GABRIEL BASIN

WELL OR WELLFIELD	RECORDATION NUMBER	WELL STATUS	SIMULATED ELEVATION (1)		CHANGE (2) (FEET)	REMARKS
			2008-09	2013-14		
01 (07)	8000072	ACTIVE	614.58	612.56	-2.02	PRODUCTION INCREASED
03 (08)	8000086	ACTIVE	615.85	615.22	-0.63	
02 (1 NORTH)	1902457	ACTIVE	613.83	613.12	-0.71	
04 (2 SOUTH)	1902458	ACTIVE	612.37	611.54	-0.83	
AVWC 01	1902113	DESTROYED	238.08	238.00	-0.08	
AVWC 02	1902114	DESTROYED	245.11	245.09	-0.02	
08 (AVWC 04)	1902115	ACTIVE	597.10	596.15	-0.95	
07 (AVWC 05)	1902116	ACTIVE	595.96	595.12	-0.84	
09 (AVWC 06)	1902117	INACTIVE	254.02	254.02	0.00	
10 (AVWC 08)	8000103	ACTIVE	252.87	252.86	-0.01	
11	8000178	ACTIVE	619.77	618.86	-0.91	
12	8000179	ACTIVE	625.11	624.77	-0.34	
<b>BASELINE WATER COMPANY</b>						
01	1901200	INACTIVE	973.77	973.47	-0.30	
02	1901201	INACTIVE				
03	1901202	INACTIVE	976.76	976.49	-0.27	
<b>CALIFORNIA-AMERICAN WATER COMPANY/DUARTE SYSTEM</b>						
STA FE	1900354	ACTIVE	227.50	227.02	-0.48	
B V	1900355	ACTIVE	224.07	223.70	-0.37	
MT AVE	1900356	DESTROYED	222.33	222.08	-0.25	
FISH C	1900358	ACTIVE	622.78	621.69	-1.09	PRODUCTION INCREASED
WILEY	1902907	ACTIVE	605.91	603.92	-1.99	PRODUCTION INCREASED
CR HV	1903018	ACTIVE	231.02	230.11	-0.91	
ENCANTO	8000139	ACTIVE	610.40	609.09	-1.31	PRODUCTION INCREASED
LAS L2	8000140	ACTIVE	604.23	603.33	-0.90	
BACON	1900497	ACTIVE	605.92	605.29	-0.63	
<b>CALIFORNIA-AMERICAN WATER COMPANY/SAN MARINO SYSTEM</b>						
GUESS	1900918	ACTIVE	174.35	174.28	-0.07	
MIVW 2	1900920	ACTIVE	174.99	174.69	-0.30	
RIC 1	1900921	INACTIVE	165.43	165.06	-0.37	
IVAR 1	1900923	ACTIVE	177.09	176.27	-0.82	
GRAND	1900926	ACTIVE	167.19	166.92	-0.27	
ROSEMEAD	1900927	ACTIVE	166.27	165.96	-0.31	

# APPENDIX B

## SIMULATED CHANGES IN GROUNDWATER ELEVATION AT WELLS OR WELLFIELDS IN MAIN SAN GABRIEL BASIN

WELL OR WELLFIELD	RECORDATION NUMBER	WELL STATUS	SIMULATED ELEVATION (1)		CHANGE (2) (FEET)	REMARKS
			2008-09	2013-14		
ROANOKE	1900934	ACTIVE	139.79	139.14	-0.65	IMPACT FROM SGCWD EXTRACTION
LONGDEN	1900935	ACTIVE	135.53	132.54	-2.99	
BR 1	1901441	INACTIVE	190.37	190.27	-0.10	
HOWLAND	1902424	ACTIVE	186.68	186.65	-0.03	
BR 2	1902787	INACTIVE	188.44	188.29	-0.15	
MAR 3	1903019	ACTIVE	184.29	184.03	-0.26	PRODUCTION INCREASED
DELMAR	1903059	ACTIVE	131.49	128.55	-2.94	
HALL 2	8000175	ACTIVE	190.93	190.78	-0.15	
CALIFORNIA COUNTRY CLUB						
ARTES	1902531	STANDBY	213.00	213.53	0.53	0.50
SYCAMORE	1903084	STANDBY	212.75	213.25		
CALIFORNIA DOMESTIC WATER COMPANY						
02	1901181	ACTIVE	206.59	203.92	-2.67	PRODUCTION INCREASED
06	1902967	ACTIVE	204.08	200.06	-4.02	PRODUCTION INCREASED
03	1903057	ACTIVE	202.41	198.12	-4.29	PRODUCTION INCREASED
08	1903081	ACTIVE	208.51	206.57	-1.94	PRODUCTION INCREASED
05A	8000100	ACTIVE	205.10	201.39	-3.71	PRODUCTION INCREASED
14	8000174	ACTIVE	205.84	202.62	-3.22	PRODUCTION INCREASED
CHAMPION MUTUAL WATER COMPANY						
02 03	1902816 8000121	ACTIVE ACTIVE	212.14	215.26	3.12	IMPACT FROM SGVWC EXTRACTION
VULCAN MATERIALS COMPANY (CALMAT COMPANY)						
DUR E DUR W	1902920 8000063	ACTIVE ACTIVE	225.82	225.63	-0.19	-0.44
REL 1	1903088	ACTIVE	239.76	239.32		
COVINA, CITY OF						
01	1901685	INACTIVE	272.54	272.51	-0.03	-0.01
02 (GRAND)	1901686	ACTIVE	361.22	361.21		
COVINA IRRIGATING COMPANY						
CONTR	1900881	STANDBY	252.24	252.23	-0.01	-0.37
BAL 3	1900882	ACTIVE	231.41	231.04		
BAL 1 BAL 2	1900885 1900883	ACTIVE ACTIVE	231.67	231.15	-0.52	-0.01
VALEN	1900880	INACTIVE	509.07	509.06		

# APPENDIX B

## SIMULATED CHANGES IN GROUNDWATER ELEVATION AT WELLS OR WELLFIELDS IN MAIN SAN GABRIEL BASIN

WELL OR WELLFIELD	RECORDATION NUMBER	WELL STATUS	SIMULATED ELEVATION (1)		CHANGE (2) (FEET)	REMARKS
			2008-09	2013-14		
CROWN CITY PLATING COMPANY						
01	8000012	ACTIVE	185.76	185.77	0.01	
DEL RIO MUTUAL WATER COMPANY						
BURKETT	1900331	ACTIVE	208.13	209.11	0.98	
DRIFTWOOD DAIRY						
01	1902924	ACTIVE	197.10	197.55	0.45	
EAST PASADENA WATER COMPANY, LTD.						
09	1901508	ACTIVE	176.81	175.98	-0.83	
EL MONTE, CITY OF						
02A	1901692	ACTIVE	196.39	196.25	-0.14	
03	1901693	INACTIVE	197.97	197.89	-0.08	
04	1901694	INACTIVE	199.18	199.08	-0.10	
05	1901695	INACTIVE	194.42	194.39	-0.03	
10	1901699	STANDBY	200.42	200.28	-0.14	
MT VW	1902612	DESTROYED	207.04	207.71	0.67	
12	1903137	STANDBY	193.55	193.33	-0.22	
13	8000101	ACTIVE	193.72	193.50	-0.22	
GLENDORA, CITY OF						
11-E	1900826	ACTIVE	547.38	547.23	-0.15	PRODUCTION INCREASED
08-E	1900829	ACTIVE	604.15	600.41	-3.74	
09-E	1900830	ACTIVE				
12-G	1900827	ACTIVE				
10-E	1900828	ACTIVE	554.11	553.95	-0.16	
07-G	1900831	INACTIVE	252.89	252.88	-0.01	
01-E	1901523	ACTIVE	562.55	562.27	-0.28	
13-E	8000184	ACTIVE				
02-E	1901526	ACTIVE	563.46	563.22	-0.24	
03-G	1901525	INACTIVE	247.26	247.25	-0.01	
04-E	1901524	INACTIVE				
05-E	8000149	ACTIVE	609.79	607.32	-2.47	PRODUCTION INCREASED
HARTLEY, DAVID						
NA	8000085	ACTIVE	660.65	660.62	-0.03	
HEMLOCK MUTUAL WATER COMPANY						
NORTH	1901178	ACTIVE	214.84	215.99	1.15	IMPACT FROM SGVWC EXTRACTION
SOUTH	1902806	ACTIVE				



# APPENDIX B

## SIMULATED CHANGES IN GROUNDWATER ELEVATION AT WELLS OR WELLFIELDS IN MAIN SAN GABRIEL BASIN

WELL OR WELLFIELD	RECORDATION NUMBER	WELL STATUS	SIMULATED ELEVATION (1)		CHANGE (2) (FEET)	REMARKS
			2008-09	2013-14		
INDUSTRY WATERWORKS SYSTEM, CITY OF						
01	1902581	INACTIVE	214.38	213.36	-1.02	IMPACT FROM BPOU EXTRACTION
03	8000078	STANDBY				
04	8000096	ACTIVE				
02	1902582	INACTIVE	214.79	213.72	-1.07	BPOU EXTRACTION
05	8000097	ACTIVE				
LA PUENTE VALLEY COUNTY WATER DISTRICT						
02	1901460	ACTIVE	224.56	223.68	-0.88	
04	8000062	ACTIVE				
03	1902859	ACTIVE	223.93	224.67	0.74	
05	NA	ACTIVE				
HANSON AGGREGATES WEST, INC. (LIVINGSTON-GRAHAM)						
EL 4	1903006	ACTIVE	222.20	221.89	-0.31	
EL 1	1901492	ACTIVE	222.57	222.10	-0.47	
EL 3	1901493	ACTIVE				
LOS ANGELES, COUNTY OF						
KEY WELL	3030F	MONITORING	228.71	228.63	-0.08	
WHI 1	1902579	ACTIVE	181.61	181.86	0.25	IMPACT FROM BPOU EXTRACTION
02	1902580	ACTIVE	188.74	188.74	0.00	
03A	8000150	ACTIVE	181.15	180.70	-0.45	
04	1902664	ACTIVE	179.75	178.86	-0.89	
05	1902665	ACTIVE	178.55	177.16	-1.39	
06	1902666	INACTIVE	178.05	177.21	-0.84	
SF 1	8000070	ACTIVE	235.20	235.13	-0.07	
BIG RED	8000088	ACTIVE	192.99	192.80	-0.19	
NEW LAKE	8000089	ACTIVE	179.26	179.69	0.43	
MILLER BREWERIES WEST, L.P. (MILLER BREWING COMPANY)						
01	8000075	ACTIVE	237.35	237.20	-0.15	
02	8000076	ACTIVE	236.85	236.64	-0.21	
MONROVIA, CITY OF						
02	1900418	ACTIVE	208.82	207.40	-1.42	PRODUCTION INCREASED
03	1900419	ACTIVE				
04	1900420	ACTIVE	214.32	213.20	-1.12	PRODUCTION INCREASED
05	1940104	ACTIVE	210.39	208.86	-1.53	PRODUCTION INCREASED
06	8000171	ACTIVE	209.08	207.67	-1.41	PRODUCTION INCREASED
MONROVIA NURSERY						

# APPENDIX B

## SIMULATED CHANGES IN GROUNDWATER ELEVATION AT WELLS OR WELLFIELDS IN MAIN SAN GABRIEL BASIN

WELL OR WELLFIELD	RECORDATION NUMBER	WELL STATUS	SIMULATED ELEVATION (1)		CHANGE (2) (FEET)	REMARKS
			2008-09	2013-14		
DIV 4	1902456	ACTIVE	509.07	509.06	-0.01	
<b>MONTEREY PARK, CITY OF</b>						
01	1900453	ACTIVE	164.30	162.50	-1.80	PRODUCTION INCREASED
03	1900455	ACTIVE	158.35	156.10	-2.25	PRODUCTION INCREASED
05	1900457	ACTIVE	149.22	145.44	-3.78	PRODUCTION INCREASED
06	1900458	ACTIVE	160.03	157.94	-2.09	PRODUCTION INCREASED
07	1902372	ACTIVE	176.79	175.39	-1.40	PRODUCTION INCREASED
08	1902373	ACTIVE	178.74	177.35	-1.39	PRODUCTION INCREASED
09	1902690	ACTIVE	176.53	175.08	-1.45	PRODUCTION INCREASED
10	1902818	ACTIVE	146.18	143.28	-2.90	PRODUCTION INCREASED
12	1903033	ACTIVE	174.30	172.44	-1.86	PRODUCTION INCREASED
14	1903092	ACTIVE	172.85	171.86	-0.99	
FERN	8000126	ACTIVE	158.18	155.90	-2.28	PRODUCTION INCREASED
15	8000196	ACTIVE	178.32	176.89	-1.43	PRODUCTION INCREASED
<b>OWL ROCK PRODUCTS COMPANY</b>						
NA	1902241	ACTIVE	226.47	226.33	-0.14	
NA	1903119	ACTIVE	617.74	616.01	-1.73	IMPACT FROM AZUSA EXTRACTION
<b>POLOPOLUS ET AL.</b>						
01	1902169	INACTIVE	229.85	229.73	-0.12	
<b>CITRUS VALLEY MEDICAL CENTER, QUEEN OF THE VALLEY CAMPUS (QUEEN OF THE VALLEY HOSPITAL)</b>						
NA	8000138	ACTIVE	230.79	230.55	-0.24	
<b>WORKMAN MILL INVESTMENT COMPANY (RINCON DITCH COMPANY)</b>						
04	1902790	ACTIVE	183.23	183.57	0.34	
<b>WORKMAN MILL INVESTMENT COMPANY (RINCON IRRIGATION COMPANY)</b>						
02	1900095	ACTIVE	185.01	185.21	0.20	
<b>WORKMAN MILL INVESTMENT COMPANY (ROSE HILLS MEMORIAL PARK)</b>						
03	1900052	ACTIVE	184.05	184.32	0.27	
01	1900094	ACTIVE	182.02	182.29	0.27	
<b>RURBAN HOMES MUTUAL WATER COMPANY</b>						
NORTH 1	1900120	ACTIVE	215.89	217.44	1.55	IMPACT FROM SGVWC REDUCTION
SOUTH 2	1900121	ACTIVE				
<b>SAN GABRIEL COUNTRY CLUB</b>						
01	1900547	ACTIVE	142.84	140.41	-2.43	IMPACT FROM SGCWD EXTRACTION

# APPENDIX B

## SIMULATED CHANGES IN GROUNDWATER ELEVATION AT WELLS OR WELLFIELDS IN MAIN SAN GABRIEL BASIN

WELL OR WELLFIELD	RECORDATION NUMBER	WELL STATUS	SIMULATED ELEVATION (1)		CHANGE (2) (FEET)	REMARKS
			2008-09	2013-14		
02	1902979	ACTIVE				
SAN GABRIEL COUNTY WATER DISTRICT						
05 BRA	1901669	ACTIVE	171.37	171.35	-0.02	
07	1901671	ACTIVE	135.16	130.80	-4.36	PRODUCTION INCREASED
08	1901672	INACTIVE	138.91	138.46	-0.45	
09	1902785	ACTIVE	150.91	150.22	-0.69	
10	1902786	INACTIVE	158.59	158.13	-0.46	
11	8000067	ACTIVE	160.61	159.39	-1.22	PRODUCTION INCREASED
12	8000123	ACTIVE	161.23	160.61	-0.62	
14	8000133	ACTIVE	150.43	150.14	-0.29	
SAN GABRIEL VALLEY WATER COMPANY						
G4A	1900725	ACTIVE	170.91	169.19	-1.72	PRODUCTION INCREASED
B1	1902635	ACTIVE	200.46	200.50	0.04	
B5A	1900718	ACTIVE	209.08	206.85	-2.23	BPOU EXTRACTION
B5B	1900719	INACTIVE				
B5C	8000112	ACTIVE				
B5D	8000160	ACTIVE	209.62	207.93	-1.69	IMPACT FROM BPOU EXTRACTION
B5E	NA	PLANNED	209.18	207.19	-1.99	BPOU EXTRACTION
B25A	8000187	ACTIVE	212.32	203.37	-8.95	BPOU EXTRACTION
B25B	8000188	ACTIVE				
B26A	8000189	ACTIVE	218.32	218.59	0.27	
B26B	8000190	ACTIVE				
8A	1900736	INACTIVE	180.22	177.98	-2.24	PRODUCTION INCREASED
8B	1900746	ACTIVE				
8C	1900747	ACTIVE				
8E	8000113	ACTIVE				
8D	1903103	ACTIVE	179.99	178.22	-1.77	PRODUCTION INCREASED
8F	8000169	ACTIVE				
1B	1900729	ACTIVE	204.94	212.38	7.44	PRODUCTION REDUCED
1C	1902946	ACTIVE				
1D	8000102	ACTIVE				
1E	8000172	ACTIVE				
2C	1900749	ACTIVE	199.22	201.13	1.91	PRODUCTION REDUCED
2D	1902857	ACTIVE				
2E	8000065	ACTIVE				
2F	8000197	ACTIVE				
11A	1900739	ACTIVE	204.85	209.24	4.39	PRODUCTION REDUCED
11B	1900745	ACTIVE				
11C	1902713	ACTIVE	207.96	209.66	1.70	PRODUCTION REDUCED
B4B	1902858	ACTIVE	219.52	217.35	-2.17	IMPACT FROM BPOU EXTRACTION
B4C	1902947	ACTIVE				

# APPENDIX B

## SIMULATED CHANGES IN GROUNDWATER ELEVATION AT WELLS OR WELLFIELDS IN MAIN SAN GABRIEL BASIN

WELL OR WELLFIELD	RECORDATION NUMBER	WELL STATUS	SIMULATED ELEVATION (1)		CHANGE (2) (FEET)	REMARKS
			2008-09	2013-14		
B6C B6D	1903093 8000098	ACTIVE ACTIVE	225.17	224.78	-0.39	
B7C B7E	8000068 8000122	ACTIVE ACTIVE	218.71	220.34	1.63	PRODUCTION REDUCED
B2	1902525	INACTIVE	199.56	199.53	-0.03	
B11A B11B B11C	1901439 8000108 NA	ACTIVE ACTIVE PLANNED	219.11	219.95	0.84	
B9B	8000099	ACTIVE	220.80	221.52	0.72	
B24A B24B	8000203 8000204	ACTIVE ACTIVE	220.98	220.13	-0.85	
<b>SIERRA LA VERNE COUNTRY CLUB</b>						
01	8000124	ACTIVE	1076.22	1075.86	-0.36	
02	8000125	ACTIVE	1096.19	1095.90	-0.29	
<b>SONOCO PRODUCTS COMPANY</b>						
01	1912786	ACTIVE	217.39	216.52	-0.87	
02	1902971	ACTIVE				
<b>SOUTHERN CALIFORNIA EDISON COMPANY</b>						
110RH	8000046	ACTIVE	225.75	225.60	-0.15	
2EB76	1900343	ACTIVE	220.96	221.46	0.50	
MURAT	8000047	ACTIVE	169.07	168.03	-1.04	IMPACT FROM BPOU EXTRACTION
<b>GOLDEN STATE WATER COMPANY (SOUTHERN CALIFORNIA WATER COMPANY)/SAN DIMAS DISTRICT</b>						
BAS-3	1902148	ACTIVE	897.67	894.71	-2.96	PRODUCTION INCREASED
BAS-4	1902149	ACTIVE	879.57	876.35	-3.22	PRODUCTION INCREASED
HIGHWAY	1902150	ACTIVE	889.11	884.13	-4.98	PRODUCTION INCREASED
ART-2	1902152	ACTIVE	896.31	893.61	-2.70	PRODUCTION INCREASED
ART-3	1902842	ACTIVE	883.65	879.76	-3.89	PRODUCTION INCREASED
COL-4	1902268	ACTIVE	536.00	536.00	0.00	
COL-6	1902270	ACTIVE	534.49	534.49	0.00	
COL-7	1902271	ACTIVE	566.92	566.92	0.00	
COL-8	1902272	INACTIVE	745.32	745.20	-0.12	
CITY	1902286	ACTIVE	1029.32	1028.51	-0.81	
MALON	1902287	ACTIVE	995.90	994.45	-1.45	PRODUCTION INCREASED
<b>GOLDEN STATE WATER COMPANY (SOUTHERN CALIFORNIA WATER COMPANY)/SAN GABRIEL VALLEY DISTRICT</b>						
S G 1 S G 2	1900510 1900511	ACTIVE	146.09	146.20	0.11	

## APPENDIX B

### SIMULATED CHANGES IN GROUNDWATER ELEVATION AT WELLS OR WELLFIELDS IN MAIN SAN GABRIEL BASIN

WELL OR WELLFIELD	RECORDATION NUMBER	WELL STATUS	SIMULATED ELEVATION (1)		CHANGE (2) (FEET)	REMARKS
			2008-09	2013-14		
GAR 1	1900513	ACTIVE	160.97	159.22	-1.75	IMPACT FROM SEMOU EXTRACTION
GAR 2	1900512	ACTIVE				
SAX 1	1900515	ACTIVE	153.92	155.09	1.17	PRODUCTION REDUCED
SAX 3	1900514	ACTIVE				
SAX 4	8000146	ACTIVE				
EARL 1	1902144	ACTIVE	169.03	167.57	-1.46	IMPACT FROM SEMOU EXTRACTION
JEF 1	1902017	INACTIVE	209.13	208.80	-0.33	
JEF 3	1902019	INACTIVE				
JEF 4	8000111	ACTIVE				
AZU 1	1902020	DESTROYED	193.14	193.25	0.11	
ENC 1	1902024	ACTIVE	175.72	176.32	0.60	
ENC 2	1902035	ACTIVE	174.62	175.18	0.56	
ENC 3	8000073	ACTIVE				
PER 1	1902027	STANDBY	197.08	197.57	0.49	
GRA 1	1902030	STANDBY	216.02	215.76	-0.26	
GRA 2	1902461					
GID 1	1902032	DESTROYED	193.26	193.29	0.03	
GID 2	1902031					
FAR 1	1902034	ACTIVE	205.75	206.90	1.15	PRODUCTION REDUCED
FAR 2	1902948	ACTIVE	204.67	205.77	1.10	PRODUCTION REDUCED
<b>SOUTH PASADENA, CITY OF</b>						
GRAV 2	1901679	ACTIVE	137.89	136.31	-1.58	PRODUCTION INCREASED
WIL 2	1901681	ACTIVE	136.46	136.39	-0.07	
WIL 3	1901682	ACTIVE	134.34	134.41	0.07	
WIL 4	1903086	ACTIVE				
<b>STERLING MUTUAL WATER COMPANY</b>						
NEW SO.	8000132	ACTIVE	210.17	211.16	0.99	
NORTH	1902096	ACTIVE				
<b>SUBURBAN WATER SYSTEMS</b>						
114W-1	1901613	INACTIVE	247.90	247.86	-0.04	
121W-1	8000181	ACTIVE	233.24	232.51	-0.73	
125W-2	8000087	INACTIVE	263.36	263.36	0.00	
126W-2	8000092	INACTIVE	266.85	266.86	0.01	
139W-2	1901599	ACTIVE	230.93	230.84	-0.09	
139W-4	8000069	ACTIVE				
139W-5	8000095	INACTIVE	230.64	230.56	-0.08	
139W-6	8000152	INACTIVE				
140W-3	1903067	ACTIVE	224.37	224.60	0.23	
140W-4	8000093	ACTIVE				

# APPENDIX B

## SIMULATED CHANGES IN GROUNDWATER ELEVATION AT WELLS OR WELLFIELDS IN MAIN SAN GABRIEL BASIN

WELL OR WELLFIELD	RECORDATION NUMBER	WELL STATUS	SIMULATED ELEVATION (1)		CHANGE (2) (FEET)	REMARKS
			2008-09	2013-14		
140W-5	8000145	ACTIVE				
142W-2	8000183	ACTIVE	229.88	229.35	-0.53	
147W-3	8000077	ACTIVE	219.70	219.95	0.25	
151W-2	8000207	ACTIVE	225.49	225.05	-0.44	
155W-1	1902819	INACTIVE	262.86	262.86	0.00	
201W-2	1901430	ACTIVE	178.43	179.03	0.60	
201W-4	1901433	ACTIVE	175.82	177.47	1.65	PRODUCTION REDUCED
201W-9	8000208	ACTIVE				
201W-5	1901432	ACTIVE	180.30	181.02	0.72	
201W-6	1901434	ACTIVE	184.47	184.26	-0.21	
201W-7	8000195	ACTIVE	176.40	177.26	0.86	
201W-8	8000198	ACTIVE	178.09	178.62	0.53	
201W-10	NA	ACTIVE	184.67	182.70	-1.97	PRODUCTION INCREASED
<b>SUNNY SLOPE WATER COMPANY</b>						
08	1900026	ACTIVE	160.22	158.35	-1.87	PRODUCTION INCREASED
09	1902792	ACTIVE				
10	8000048	INACTIVE	175.59	175.33	-0.26	
13	8000157	ACTIVE	163.20	162.11	-1.09	PRODUCTION INCREASED
<b>TYLER NURSERY</b>						
NA	8000049	ACTIVE	193.69	193.65	-0.04	
<b>UNITED CONCRETE PIPE CORPORATION</b>						
NA	8000067	INACTIVE	226.16	225.96	-0.20	
<b>UNITED ROCK PRODUCTS CORPORATION</b>						
IRW-1	1900106	ACTIVE	224.10	223.74	-0.36	
IRW-2	1903062	ACTIVE	223.38	222.94	-0.44	
<b>UNITED STATES ENVIRONMENTAL PROTECTION AGENCY</b>						
MW4-1	NA	MONITORING	179.32	179.76	0.44	SOUTH EL MONTE OPERABLE UNIT
MW4-2	NA	MONITORING	181.32	181.48	0.16	
MW4-3	NA	MONITORING	179.23	179.64	0.41	
MW4-4	NA	MONITORING	170.54	170.56	0.02	
MW4-5	NA	MONITORING	171.11	171.13	0.02	
MW4-6	NA	MONITORING	171.68	171.70	0.02	
MW4-7	NA	MONITORING	183.98	183.96	-0.02	
MW4-8	NA	MONITORING	187.45	187.46	0.01	

# APPENDIX B

## SIMULATED CHANGES IN GROUNDWATER ELEVATION AT WELLS OR WELLFIELDS IN MAIN SAN GABRIEL BASIN

WELL OR WELLFIELD	RECORDATION NUMBER	WELL STATUS	SIMULATED ELEVATION (1)		CHANGE (2) (FEET)	REMARKS
			2008-09	2013-14		
MW4-9	NA	MONITORING	188.77	188.71	-0.06	
MW4-10	NA	MONITORING	196.71	196.63	-0.08	
MW4-11	NA	MONITORING	204.51	204.73	0.22	
MW5-1	NA	MONITORING	232.87	232.65	-0.22	BALDWIN PARK OPERABLE UNIT
MW5-3	NA	MONITORING	237.09	237.01	-0.08	
MW5-5	NA	MONITORING	226.24	226.08	-0.16	
MW5-8	NA	MONITORING	226.25	226.15	-0.10	
MW5-11	NA	MONITORING	237.16	237.09	-0.07	
MW5-13	NA	MONITORING	241.34	241.29	-0.05	
MW5-15	NA	MONITORING	228.47	228.41	-0.06	
MW5-17	NA	MONITORING	237.79	237.73	-0.06	
MW5-18	NA	MONITORING	239.33	239.28	-0.05	
MW5-19	NA	MONITORING	210.34	208.53	-1.81	IMPACT FROM BPOU EXTRACTION
MW5-20	NA	MONITORING	223.23	222.90	-0.33	
MW5-22	NA	MONITORING	216.58	215.55	-1.03	IMPACT FROM BPOU EXTRACTION
MW5-23	NA	MONITORING	217.14	214.81	-2.33	IMPACT FROM BPOU EXTRACTION
MW6-1	NA	MONITORING	221.00	220.91	-0.09	PUENTE VALLEY OPERABLE UNIT
MW6-2	NA	MONITORING	214.09	214.26	0.17	
MW6-4	NA	MONITORING	226.64	226.65	0.01	
MW6-5	NA	MONITORING	228.62	228.61	-0.01	
MW6-6	NA	MONITORING	236.68	236.67	-0.01	
MW6-7	NA	MONITORING	317.41	317.41	0.00	
MW6-8	NA	MONITORING	427.35	427.35	0.00	
EW4-3	NA	REMEDIAL	182.00	182.15	0.15	WNOU EXTRACTION
EW4-4	NA	REMEDIAL	180.09	180.36	0.27	WNOU EXTRACTION
EW4-5	8000200	REMEDIAL	179.03	179.42	0.39	WNOU EXTRACTION
EW4-9	NA	REMEDIAL				
EW4-6	8000201	REMEDIAL	178.74	179.23	0.49	WNOU EXTRACTION
EW4-10	NA	REMEDIAL				
EW4-7	8000202	REMEDIAL	179.70	179.96	0.26	WNOU EXTRACTION
EW4-8	NA	REMEDIAL	181.93	182.07	0.14	WNOU EXTRACTION
VALENCIA HEIGHTS WATER COMPANY						
01	8000051	ACTIVE	276.36	277.52	1.16	
02	8000052	ACTIVE				

# APPENDIX B

## SIMULATED CHANGES IN GROUNDWATER ELEVATION AT WELLS OR WELLFIELDS IN MAIN SAN GABRIEL BASIN

WELL OR WELLFIELD	RECORDATION NUMBER	WELL STATUS	SIMULATED ELEVATION (1)		CHANGE (2) (FEET)	REMARKS
			2008-09	2013-14		
04	8000054	ACTIVE	264.53	264.05	-0.48	
05	8000120	ACTIVE	294.46	293.33	-1.13	PRODUCTION INCREASED
<b>VALLEY COUNTY WATER DISTRICT</b>						
E MAINE	1900027	ACTIVE	226.43	226.20	-0.23	
W MAINE	1900028	ACTIVE				
MORADA	1900029	STANDBY	242.54	242.50	-0.04	
E NIXON (JOAN)	1900032	ACTIVE	224.50	224.19	-0.31	
W NIXON (JOAN)	1902356	ACTIVE				
ARROW LANTE (SA1-3)	1900034 8000060	INACTIVE ACTIVE	231.02	230.81	-0.21	
PALM	8000039	INACTIVE	227.61	227.56	-0.05	
B DALTON	1900035	INACTIVE	229.43	229.37	-0.06	
PADDY LN	1900031	STANDBY	227.06	226.96	-0.10	
SA1-1	8000185	ACTIVE	233.52	233.36	-0.16	
SA1-2	8000186	ACTIVE	231.80	231.60	-0.20	
<b>VALLEY VIEW MUTUAL WATER COMPANY</b>						
01	1900363	ACTIVE	225.82	225.63	-0.19	
02	1900364	ACTIVE				
<b>WHITTIER, CITY OF</b>						
13	1901749	ACTIVE	182.44	182.53	0.09	
15	8000071	ACTIVE	179.67	180.08	0.41	
16	8000110	ACTIVE	177.75	178.35	0.60	
17	8000135	ACTIVE				
18	8000136	ACTIVE	179.08	179.63	0.55	
<b>WOODLAND, RICHARD</b>						
01	1902949	INACTIVE	213.86	212.78	-1.08	IMPACT FROM BPOU EXTRACTION
02	1902950	INACTIVE				
<b>COINER, JAMES W., DBA COINER NURSERY (WOODLAND FARM INC.)</b>						
03	1902951	INACTIVE	213.90	212.90	-1.00	IMPACT FROM BPOU EXTRACTION
05R	1903072	ACTIVE	214.96	214.57	-0.39	
<b>AVERAGE CHANGE</b>					<b>-0.53</b>	

(1) SIMULATED ELEVATION IN FEET ABOVE MEAN SEA LEVEL

(2) DIFFERENCE BETWEEN 2013-14 AND 2008-09 SIMULATED ELEVATIONS



## **APPENDIX C.**

# **HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS AND NITRATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION**

# APPENDIX C

## HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)						REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT			
					VALUE	DATE	VALUE	DATE		
ADAMS RANCH MUTUAL WATER COMPANY										
01	1902106	MUNICIPAL	INACTIVE	TCE	2.2	05/88	ND	02/97	VULNERABLE (NO3)	
				NO3	97.0	04/92	38.9	02/97		
				CLO4	NA	NA	NA	NA		
02	1902689	MUNICIPAL	INACTIVE	TCE	3.5	08/86	2.5	09/86	VULNERABLE (VOCS)	
				NO3	NA	NA	NA	NA		
				CLO4	NA	NA	NA	NA		
03	8000182	MUNICIPAL	ACTIVE	TCE	18.5	11/06	4.2	05/09	VULNERABLE (VOCS) (1)	
				PCE	5.1	11/06	1.7	05/09		
				NO3	21.0	03/04	13.0	05/09		
				CLO4	ND	08/08	ND	08/08		
ALHAMBRA, CITY OF										
07	1903097	MUNICIPAL	ACTIVE	TCE	13.4	08/91	6.1	02/09	VULNERABLE (NO3) (1)	
				PCE	0.8	04/07	ND	02/09		
				C-1,2-DCE	1.6	02/05	0.7	02/09		
				CTC	0.6	02/85	ND	02/09		
				NO3	53.2	07/93	43.9	08/07		
				CLO4	2.4	10/07	ND	04/09		
09	1900011	MUNICIPAL	ACTIVE	TCE	21.1	08/08	21.1	08/08	VULNERABLE (NO3) (3)	
				C-1,2-DCE	2.3	10/07	2.1	10/08		
				NO3	57.3	06/93	35.9	08/07		
				CLO4	2.2	10/07	ND	04/09		
10	1900012	IRRIGATION	ACTIVE	TCE	30.1	02/09	30.1	02/09		
				C-1,2-DCE	5.8	03/05	3.6	02/09		
				1,1-DCE	0.5	03/05	ND	02/09		
				NO3	56.3	01/07	51.0	02/09		
				CLO4	ND	08/97	ND	08/97		
11	1903014	MUNICIPAL	ACTIVE	PCE	1.9	08/02	1.1	10/08	VULNERABLE (VOCS AND NO3) (3)	
				TCE	4.2	05/89	ND	08/08		
				C-1,2-DCE	1.5	04/08	1.5	04/08		
				NO3	41.3	07/90	29.0	09/06		
				CLO4	ND	08/97	ND	04/09		
12	1900013	MUNICIPAL	INACTIVE	TCE	39.4	08/08	39.4	08/08	VULNERABLE (NO3) (3)	
				C-1,2-DCE	33.6	08/08	33.6	08/08		
				1,1-DCE	0.8	09/08	0.8	09/08		
				T-1,2-DCE	0.9	09/08	0.7	09/08		
				NO3	34.1	08/89	32.0	08/08		
				CLO4	ND	08/08	ND	08/08		
13	1900014	MUNICIPAL	ACTIVE	TCE	0.5	08/07	0.5	10/07	VULNERABLE (NO3)	
				NO3	52.0	08/01	18.0	10/07		
				CLO4	ND	03/97	ND	04/09		
14	1900015	MUNICIPAL	ACTIVE	TCE	2.4	08/08	2.1	10/08	VULNERABLE (NO3)	
				NO3	42.4	08/89	16.0	10/08		
				CLO4	ND	08/97	ND	04/09		
15	1900016	MUNICIPAL	ACTIVE	VOCS	ND	05/89	ND	11/08		
				NO3	18.0	11/02	5.9	04/07		
				CLO4	ND	08/97	ND	04/09		
GARF	1900018	MUNICIPAL	INACTIVE	TCE	11.0	08/82	ND	09/93	VULNERABLE (VOCS)	
				PCE	0.5	11/87	ND	09/93		
				CTC	0.1	04/80	ND	09/93		
				1,1,2,2-PCA	1.0	11/87	ND	09/93		
				NO3	68.1	08/89	53.6	09/93		
				CLO4	NA	NA	NA	NA		
LON 1	1902789	MUNICIPAL	ACTIVE	PCE	0.3	07/81	ND	08/08	VULNERABLE (NO3 AND CLO4)	
				NO3	23.0	09/04	17.0	09/08		

# APPENDIX C

## HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
LON 2	1900017	MUNICIPAL	ACTIVE	CLO4	5.0	12/97	ND	04/09	VULNERABLE (VOCS, NO3, AND CLO4)
				MC	4.3	05/87	ND	08/08	
				NO3	50.4	04/86	20.3	08/07	
				CLO4	5.6	07/97	ND	04/09	
MOEL (8)	1900010	MUNICIPAL	ACTIVE	TCE	14.1	07/08	14.1	07/08	
				PCE	1.6	07/08	1.6	07/08	
				C-1,2-DCE	0.9	04/04	0.9	07/08	
				NO3	76.0	07/08	76.0	07/08	
				CLO4	ND	12/99	ND	04/09	
AMARILLO MUTUAL WATER COMPANY									
01	1900791	MUNICIPAL	ACTIVE	PCE	5.5	10/99	1.7	05/09	VULNERABLE (VOCS AND NO3)
				TCE	1.2	02/08	ND	05/09	
				CTC	0.1	08/82	ND	08/08	
				MC	3.2	06/89	ND	08/08	
				NO3	27.4	10/99	24.0	05/09	
				CLO4	ND	08/97	ND	08/08	
02	1900792	MUNICIPAL	ACTIVE	PCE	5.7	02/02	3.7	05/09	VULNERABLE (VOCS AND NO3)
				TCE	1.5	01/99	ND	05/09	
				MC	2.0	06/89	ND	08/08	
				NO3	29.9	02/96	17.0	05/09	
				CLO4	ND	08/97	ND	08/08	
ANDERSON FAMILY MARITAL TRUST									
01	8000079	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
ARCADIA, CITY OF									
BAL 1	1901015	MUNICIPAL	INACTIVE	VOCS	ND	09/98	ND	09/98	VULNERABLE (NO3)
				NO3	52.0	04/78	3.0	09/98	
				CLO4	NA	NA	NA	NA	
BAL 2	1902791	MUNICIPAL	ACTIVE	VOCS	ND	05/89	ND	06/09	VULNERABLE (NO3)
				NO3	33.4	05/08	29.0	06/09	
				CLO4	ND	08/97	ND	07/08	
CAM REAL 1	1902077	MUNICIPAL	INACTIVE	VOCS	ND	01/85	ND	05/92	VULNERABLE (NO3)
				NO3	28.1	05/91	22.4	08/92	
				CLO4	NA	NA	NA	NA	
CAM REAL 2	1902078	MUNICIPAL	INACTIVE	VOCS	ND	05/89	ND	06/98	VULNERABLE (NO3)
				NO3	58.0	05/92	39.0	05/98	
				CLO4	ND	08/97	ND	12/97	
L OAK 1	8000127	MUNICIPAL	ACTIVE	PCE	1.4	01/08	ND	06/09	
				TCE	1.6	12/08	1.4	06/09	
				NO3	21.5	03/91	17.0	06/09	
				CLO4	ND	08/97	ND	07/08	
LGY	1902084	MUNICIPAL	INACTIVE	CF	1.0	01/08	1.0	01/08	VULNERABLE (CLO4)
				NO3	104.0	01/08	104.0	01/08	
				CLO4	6.0	01/08	6.0	01/08	
LON 1	1901013	MUNICIPAL	ACTIVE	TCE	30.0	07/87	0.7	06/09	VULNERABLE (VOCS AND NO3) (1)
				PCE	2.7	07/87	ND	06/09	
				1,1-DCE	4.1	06/87	ND	06/09	
				1,2-DCA	1.4	07/87	ND	06/09	
				1,1,1-TCA	4.6	07/87	ND	06/09	
				MC	25.0	09/87	ND	06/09	
				NO3	40.0	11/02	37.0	06/09	
				CLO4	ND	12/97	ND	07/08	

# APPENDIX C

## HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)						REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT			
					VALUE	DATE	VALUE	DATE		
LON 2	1901014	MUNICIPAL	ACTIVE	TCE	62.0	01/85	0.7	03/08	VULNERABLE (VOCS) (1)	
				PCE	7.7	01/82	ND	03/08		
				CTC	2.6	09/87	ND	06/07		
				1,1-DCE	0.9	05/87	ND	03/08		
				1,1,1-TCA	12.0	01/85	ND	06/07		
				NO3	109.1	05/85	48.6	03/08		
				CLO4	ND	07/97	ND	06/03		
PECK 1	1902854	MUNICIPAL	ACTIVE	VOCS	ND	05/89	ND	06/09		
				NO3	3.4	02/88	2.5	06/09		
				CLO4	ND	08/97	ND	07/08		
ST JO 1	1902358	MUNICIPAL	DESTROYED	TCE	5.4	01/02	4.8	02/02		
				PCE	2.7	08/91	2.2	02/02		
				NO3	60.0	06/96	46.0	06/02		
				CLO4	1.0	08/97	ND	01/02		
ST JO 2	8000177	MUNICIPAL	ACTIVE	TCE	2.3	12/04	1.8	06/09	VULNERABLE (VOCS AND CLO4)	
				PCE	3.5	06/09	3.5	06/09		
				NO3	51.0	12/04	49.0	06/09		
				CLO4	8.6	06/02	ND	07/08		
ATTALLA, MARY L.										
NA	8000119	IRRIGATION	ACTIVE	VOCS	ND	09/96	ND	04/98		
				NO3	19.4	04/98	19.4	04/98		
				CLO4	ND	04/98	ND	04/98		
AZUSA ASSOCIATES LLC										
DALTON	1900390	IRRIGATION	DESTROYED	VOCS	ND	03/98	ND	03/98		
				NO3	4.7	03/98	4.7	03/98		
				CLO4	ND	03/98	ND	03/98		
AZUSA, CITY OF										
05 (OLD 01)	1902533	MUNICIPAL	ACTIVE	TCE	1.0	12/80	ND	08/08	VULNERABLE (NO3)	
				PCE	0.3	12/80	ND	08/08		
				CF	1.5	08/04	1.3	08/08		
				NO3	22.9	07/95	7.1	08/08		
				CLO4	ND	07/97	ND	08/08		
06 (OLD 03)	1902535	MUNICIPAL	ACTIVE	VOCS	ND	03/85	ND	08/08		
				NO3	14.2	03/95	3.7	08/08		
				CLO4	ND	07/97	ND	08/08		
GENESIS 1 (OLD 04)	1902536	MUNICIPAL	DESTROYED	MTBE	1.2	11/98	1.1	11/98		
				NO3	126.6	06/87	109.8	11/98		
				CLO4	7.2	11/98	7.2	11/98		
GENESIS 2 (OLD 05)	1902537	MUNICIPAL	INACTIVE	TCE	250.0	12/79	3.7	02/08	VULNERABLE (NO3)	
				PCE	95.0	04/80	1.0	02/08		
				1,1-DCE	18.0	02/08	18.0	02/08		
				CF	2.6	02/08	2.6	02/08		
				1,1,1-TCA	2.5	02/08	2.5	02/08		
				NO3	105.5	02/93	15.9	02/08		
				CLO4	ND	11/98	ND	02/08		
GENESIS 3 (OLD 06)	1902538	MUNICIPAL	DESTROYED	PCE	3.5	03/97	ND	03/97		
				TCE	0.1	01/80	ND	03/97		
				NO3	112.9	06/86	ND	04/01		
				CLO4	NA	NA	NA	NA		
01 (OLD 07)	8000072	MUNICIPAL	ACTIVE	VOCS	ND	06/87	ND	11/08		
				NO3	4.5	07/97	3.8	08/08		
				CLO4	ND	07/97	ND	08/08		
03 (OLD 08)	8000086	MUNICIPAL	ACTIVE	VOCS	ND	06/87	ND	08/08		
				NO3	4.4	03/95	ND	08/08		

# APPENDIX C

## HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
02 (01 NORTH)	1902457	MUNICIPAL	ACTIVE	CLO4	ND	07/97	ND	08/08	
				VOCS	ND	06/89	ND	08/08	
				NO3	5.5	03/92	3.6	08/08	
				CLO4	ND	07/97	ND	08/08	
04 (02 SOUTH)	1902458	MUNICIPAL	ACTIVE	VOCS	ND	06/88	ND	08/08	
				NO3	5.5	06/89	2.8	08/08	
				CLO4	ND	07/97	ND	08/08	
AVWC 01	1902113	MUNICIPAL	DESTROYED	VOCS	ND	09/97	ND	09/97	
				NO3	55.0	08/87	32.1	09/97	
				CLO4	5.6	09/97	5.6	09/97	
AVWC 02	1902114	MUNICIPAL	DESTROYED	VOCS	ND	01/98	ND	01/98	
				NO3	43.1	01/98	43.1	01/98	
				CLO4	6.9	01/98	6.9	01/98	
08 (AVWC 04)	1902115	MUNICIPAL	ACTIVE	TCE	0.8	03/94	ND	08/08	
				CF	0.5	08/04	ND	08/08	
				NO3	12.1	09/94	3.7	08/08	
				CLO4	ND	07/97	ND	08/08	
07 (AVWC 05)	1902116	MUNICIPAL	ACTIVE	VOCS	ND	06/88	ND	08/08	VULNERABLE (NO3)
				NO3	24.7	04/95	2.4	08/08	
				CLO4	ND	06/97	ND	08/08	
09 (AVWC 06)	1902117	MUNICIPAL	INACTIVE	PCE	7.4	12/87	0.6	01/99	VULNERABLE (VOCS)
				NO3	117.7	12/89	84.0	01/99	
				CLO4	NA	NA	NA	NA	
AVWC 07	1902425	MUNICIPAL	DESTROYED	TCE	4.5	01/80	ND	03/85	
				NO3	107.0	02/77	39.4	12/85	
				CLO4	NA	NA	NA	NA	
10 (AVWC 08)	8000103	MUNICIPAL	ACTIVE	PCE	0.9	02/09	0.7	05/09	
				CF	1.4	03/94	ND	11/08	
				NO3	66.0	05/08	57.0	05/09	
				CLO4	12.6	08/05	11.0	05/09	
11	8000178	MUNICIPAL	ACTIVE	VOCS	ND	06/02	ND	08/08	
				NO3	3.7	08/08	3.5	10/08	
				CLO4	ND	06/02	ND	08/08	
12	8000179	MUNICIPAL	ACTIVE	VOCS	ND	06/02	ND	08/08	
				NO3	3.9	08/08	3.6	10/08	
				CLO4	ND	06/02	ND	08/08	
B & B RED-I-MIX CONCRETE INC.									
03	1902589	INDUSTRIAL	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
BANKS, GALE & VICKI									
NA	1900415	IRRIGATION	ACTIVE	VOCS	ND	08/96	ND	10/08	
				NO3	20.7	10/98	16.0	10/08	
				CLO4	ND	09/97	ND	09/97	
BASELINE WATER COMPANY									
01	1901200	IRRIGATION	DESTROYED	VOCS	ND	02/98	ND	02/98	
				NO3	99.7	02/98	99.7	02/98	
				CLO4	12.9	02/98	12.9	02/98	
02	1901201	IRRIGATION	DESTROYED	VOCS	ND	11/98	ND	11/98	
				NO3	74.3	11/98	74.3	11/98	
				CLO4	10.6	11/98	10.6	11/98	

# APPENDIX C

## HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
03	1901202	IRRIGATION	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
BEVERLY ACRES MUTUAL WATER USERS ASSOCIATION									
ROSE HILLS	8000004	MUNICIPAL	DESTROYED	TCE	8.4	10/88	2.5	03/93	
				PCE	6.0	10/88	2.8	03/93	
				C-1,2-DCE	8.0	08/86	2.4	03/93	
				NO3	22.5	08/86	14.6	09/90	
				CLO4	NA	NA	NA	NA	
BIRENBAUM, MAX									
NA	8000005	NON-POTABLE	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
BOTELLO WATER COMPANY									
NA	1900635	MUNICIPAL	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
BURBANK DEVELOPMENT COMPANY									
BURB	1900093	NON-POTABLE	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
CALIFORNIA-AMERICAN WATER COMPANY/DUARTE SYSTEM									
B V	1900355	MUNICIPAL	ACTIVE	VOCS	ND	02/85	ND	09/08	
				NO3	3.6	08/90	2.7	09/08	
				CLO4	ND	06/97	ND	06/08	
BACON	1900497	MUNICIPAL	ACTIVE	BF	1.8	09/08	1.8	09/08	
				DBCM	1.0	10/06	ND	09/08	
				MC	0.6	06/89	ND	09/08	
				NO3	10.0	10/81	7.5	09/08	
				CLO4	ND	06/97	ND	06/08	
CR HV	1903018	MUNICIPAL	ACTIVE	VOCS	ND	06/88	ND	09/08	
				NO3	7.8	07/86	3.4	09/08	
				CLO4	ND	06/97	ND	09/03	
ENCANTO	8000139	MUNICIPAL	ACTIVE	VOCS	ND	12/92	ND	12/08	
				NO3	11.3	12/92	5.4	09/08	
				CLO4	ND	06/97	ND	06/08	
FISH C	1900358	MUNICIPAL	ACTIVE	VOCS	ND	02/85	ND	12/08	
				NO3	6.7	11/94	2.3	12/08	
				CLO4	ND	06/97	ND	06/08	
LAS L	1900357	MUNICIPAL	DESTROYED	VOCS	ND	02/85	ND	06/91	
				NO3	12.1	08/80	4.1	09/91	
				CLO4	NA	NA	NA	NA	
LAS L2	8000140	MUNICIPAL	ACTIVE	TCE	1.6	08/96	ND	09/08	
				NO3	16.6	12/92	7.3	09/08	
				CLO4	ND	06/97	ND	06/08	
MT AVE	1900356	MUNICIPAL	DESTROYED	TCE	16.5	07/87	ND	09/93	
				PCE	1.0	08/82	ND	09/93	
				1,1,1-TCA	8.4	04/85	ND	09/93	
				1,1-DCE	3.4	07/87	ND	09/93	
				T-1,2-DCE	2.0	04/85	ND	09/93	
				NO3	65.0	05/89	10.1	09/93	

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## HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)						REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT			
					VALUE	DATE	VALUE	DATE		
				CLO4	NA	NA	NA	NA		
STA FE	1900354	MUNICIPAL	ACTIVE	TCE	3.3	04/84	ND	09/08	VULNERABLE (VOCS AND NO3)	
				CF	0.5	07/87	ND	09/08		
				MC	0.5	09/08	0.5	09/08		
				NO3	59.0	01/80	3.4	09/08		
				CLO4	ND	06/97	ND	06/08		
WILEY	1902907	MUNICIPAL	ACTIVE	CF	4.2	09/01	ND	09/08		
				NO3	11.0	03/81	6.9	09/08		
				CLO4	ND	06/97	ND	06/08		
CALIFORNIA-AMERICAN WATER COMPANY/SAN MARINO SYSTEM										
BR 1	1901441	MUNICIPAL	INACTIVE	CTC	0.5	12/96	0.5	12/96	VULNERABLE (NO3)	
				TCE	27.0	07/93	27.0	12/96		
				PCE	9.0	07/93	7.7	12/96		
				NO3	31.4	12/96	31.4	12/96		
				CLO4	NA	NA	NA	NA		
BR 2	1902787	MUNICIPAL	INACTIVE	TCE	17.0	12/96	17.0	12/96	VULNERABLE (NO3)	
				PCE	6.4	12/96	6.4	12/96		
				NO3	25.3	07/93	25.1	12/96		
				CLO4	NA	NA	NA	NA		
DELMAR	1903059	MUNICIPAL	ACTIVE	VOCS	ND	06/88	ND	09/08		
				NO3	13.4	09/00	13.0	09/08		
				CLO4	ND	06/97	ND	07/08		
GRAND	1900926	MUNICIPAL	ACTIVE	TCE	4.8	03/07	1.4	06/09	VULNERABLE (VOCS)	
				PCE	2.1	12/08	0.6	06/09		
				NO3	10.9	09/03	6.5	09/08		
				CLO4	ND	08/97	ND	07/08		
GUESS	1900918	MUNICIPAL	INACTIVE	TCE	5.2	09/99	5.2	12/01		
				PCE	5.4	12/01	5.4	12/01		
				NO3	20.0	05/01	19.0	09/01		
				CLO4	ND	08/97	ND	03/00		
HALL	1900917	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA		
				NO3	NA	NA	NA	NA		
				CLO4	NA	NA	NA	NA		
HALL 2	8000175	MUNICIPAL	ACTIVE	VOCS	ND	03/01	ND	06/09	VULNERABLE (NO3)	
				NO3	23.6	04/01	13.0	09/08		
				CLO4	ND	03/00	ND	07/08		
HOWLAND	1902424	MUNICIPAL	ACTIVE	TCE	6.9	07/89	0.6	06/09	VULNERABLE (VOCS)	
				PCE	3.6	03/01	ND	06/09		
				C-1,2-DCE	3.3	11/87	ND	09/08		
				MC	7.5	05/87	ND	09/08		
				NO3	12.4	09/91	11.0	09/08		
				CLO4	ND	08/97	ND	07/08		
IVAR 1	1900923	MUNICIPAL	DESTROYED	PCE	7.4	06/99	6.2	06/00		
				TCE	1.7	06/99	ND	06/00		
				NO3	29.2	09/94	26.0	09/01		
				CLO4	ND	08/97	ND	03/01		
IVAR 2	1902867	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA		
				NO3	24.0	12/84	24.0	12/84		
				CLO4	NA	NA	NA	NA		
LONGDEN	1900935	MUNICIPAL	ACTIVE	PCE	7.5	03/09	6.1	06/09	VULNERABLE (CLO4)	
				NO3	69.6	03/08	65.0	06/09		
				CLO4	4.1	03/03	ND	07/08		
MAR 1	1900924	MUNICIPAL	DESTROYED	VOCS	ND	01/85	ND	01/85		
				NO3	89.0	03/79	39.0	01/84		

# APPENDIX C

## HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				CLO4	NA	NA	NA	NA	
MAR 2	1900925	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	33.0	01/84	33.0	01/84	
				CLO4	NA	NA	NA	NA	
MAR 3	1903019	MUNICIPAL	ACTIVE	VOCS	ND	01/85	ND	09/08	
				NO3	5.8	09/08	5.8	09/08	
				CLO4	ND	06/97	ND	07/08	
MIVW 1	1900919	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	31.0	03/01	31.0	03/01	
				CLO4	NA	NA	NA	NA	
MIVW 2	1900920	MUNICIPAL	ACTIVE	VOCS	ND	07/87	ND	09/08	
				NO3	20.0	09/08	20.0	09/08	
				CLO4	ND	06/97	ND	07/08	
RIC 1	1900921	MUNICIPAL	INACTIVE	VOCS	ND	02/85	ND	12/90	VULNERABLE (NO3)
				NO3	23.4	08/89	11.8	11/94	
				CLO4	NA	NA	NA	NA	
RIC 2	1900922	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
ROANOKE	1900934	MUNICIPAL	INACTIVE	TCE	5.0	06/00	4.7	12/00	VULNERABLE (VOCS, NO3, AND CLO4)
				PCE	1.2	04/90	ND	09/00	
				C-1,2-DCE	0.5	09/00	ND	12/00	
				NO3	33.0	05/89	29.2	12/00	
				CLO4	5.6	06/97	ND	03/00	
ROSEMEAD	1900927	MUNICIPAL	ACTIVE	TCE	4.7	12/01	2.0	06/09	VULNERABLE (VOCS AND NO3)
				PCE	3.4	03/09	2.3	06/09	
				NO3	36.0	09/08	34.0	06/09	
				CLO4	ND	08/97	ND	07/08	
CALIFORNIA COUNTRY CLUB									
ARTES	1902531	IRRIGATION	STANDBY	VOCS	ND	05/87	ND	10/08	VULNERABLE (NO3)
				NO3	23.7	10/07	17.0	10/08	
				CLO4	NA	NA	NA	NA	
CLUB	1902529	IRRIGATION	INACTIVE	PCE	189.0	11/87	189.0	11/87	
				1,1,2,2-PCA	24.0	11/87	24.0	11/87	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
SYCAMORE	1903084	IRRIGATION	STANDBY	PCE	7.1	09/02	1.1	10/08	VULNERABLE (VOCS)
				TCE	0.7	09/01	ND	10/08	
				NO3	128.0	10/07	76.0	10/08	
				CLO4	ND	02/98	ND	02/98	
CALIFORNIA DOMESTIC WATER COMPANY									
01-E	1901182	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
02	1901181	MUNICIPAL	ACTIVE	CTC	0.7	09/96	ND	04/09	VULNERABLE (VOCS, NO3, AND CLO4)
				PCE	2.0	04/08	0.6	04/09	
				TCE	4.0	10/99	ND	04/09	
				NO3	24.3	08/96	9.2	04/09	
				CLO4	5.6	10/99	ND	05/09	
03	1903057	MUNICIPAL	ACTIVE	CTC	5.3	02/01	1.5	04/09	VULNERABLE (NO3) (1)
				PCE	10.1	01/09	8.6	04/09	
				TCE	16.0	01/09	13.0	04/09	
				1,1-DCE	2.2	01/09	1.5	04/09	



# APPENDIX C

## HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				C-1,2-DCE	1.5	10/08	1.1	04/09	
				CF	0.7	08/04	ND	04/09	
				NO3	47.6	01/07	22.0	04/09	
				CLO4	9.5	12/08	7.5	05/09	
05	1901183	MUNICIPAL	DESTROYED	PCE	2.0	02/85	ND	12/90	
				NO3	13.0	03/84	13.0	03/84	
				CLO4	NA	NA	NA	NA	
05A	8000100	MUNICIPAL	ACTIVE	CTC	1.9	08/96	0.7	04/09	VULNERABLE (NO3) (1)
				PCE	14.6	10/08	6.1	04/09	
				TCE	17.8	10/08	7.1	04/09	
				1,1-DCE	2.7	10/08	1.0	04/09	
				C-1,2-DCE	1.6	10/08	0.6	04/09	
				NO3	29.0	04/01	10.0	04/09	
				CLO4	ND	06/97	ND	05/09	
06	1902967	MUNICIPAL	ACTIVE	CTC	3.5	12/06	ND	04/09	VULNERABLE (NO3 AND CLO4) (1)
				PCE	16.1	10/08	13.0	04/09	
				TCE	23.7	10/08	16.0	04/09	
				1,1-DCE	4.5	10/08	2.3	04/09	
				C-1,2-DCE	2.6	10/08	1.4	04/09	
				NO3	29.0	06/08	27.0	04/09	
				CLO4	5.1	10/06	3.6	05/09	
08	1903081	MUNICIPAL	ACTIVE	PCE	9.8	02/09	2.0	04/09	VULNERABLE (VOCS, NO3, AND CLO4)
				TCE	12.0	02/09	ND	04/09	
				CTC	1.1	09/93	ND	04/09	
				NO3	24.0	08/02	15.0	04/09	
				CLO4	5.6	08/02	ND	05/09	
13-N	1901185	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
14	8000174	MUNICIPAL	ACTIVE	CTC	4.4	10/07	0.5	06/08	VULNERABLE (NO3) (1)
				PCE	3.9	04/01	1.9	06/08	
				TCE	18.0	05/01	5.3	06/08	
				1,2-DCA	1.0	06/08	0.7	06/08	
				C-1,2-DCE	0.7	11/01	ND	06/08	
				1,1-DCE	0.6	08/02	ND	06/08	
				CF	1.3	06/08	0.8	06/08	
				NO3	41.7	02/00	25.0	01/09	
				CLO4	14.0	11/01	13.0	06/08	
CEDAR AVENUE MUTUAL WATER COMPANY									
01 SOUTH	1901411	MUNICIPAL	DESTROYED	PCE	2.2	09/90	ND	06/94	
				NO3	26.8	08/93	8.9	06/94	
				CLO4	NA	NA	NA	NA	
02 NORTH	1902783	MUNICIPAL	DESTROYED	PCE	0.8	04/92	ND	06/94	
				NO3	20.0	01/86	7.4	08/93	
				CLO4	NA	NA	NA	NA	
CEMEX CONSTRUCTION MATERIALS L.P. (AZ TWO)									
02	1900038	INDUSTRIAL	DESTROYED	PCE	700.0	01/85	2.8	09/03	
				TCE	940.0	04/85	6.3	09/03	
				CTC	2.2	09/02	ND	09/03	
				1,1-DCE	350.0	01/87	7.2	09/03	
				1,1-DCA	1.0	08/01	ND	09/03	
				1,1,1-TCA	430.0	01/87	3.6	09/03	
				VC	19.0	12/87	ND	09/03	
				NO3	79.0	09/02	73.1	09/03	
				CLO4	4.2	06/97	ND	09/98	

# APPENDIX C

## HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)						REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT			
					VALUE	DATE	VALUE	DATE		
01	1900908	MUNICIPAL	INACTIVE	PCE	3.0	09/86	2.1	09/91	VULNERABLE (VOCS)	
				NO3	NA	NA	NA	NA		
				CLO4	NA	NA	NA	NA		
02	1902816	MUNICIPAL	ACTIVE	PCE	0.6	06/88	ND	09/08	VULNERABLE (NO3)	
				NO3	27.0	06/09	27.0	06/09		
				CLO4	ND	09/97	ND	09/08		
03	8000121	MUNICIPAL	ACTIVE	PCE	1.3	09/96	ND	09/08	VULNERABLE (NO3)	
				FREON 113	18.0	03/07	ND	06/09		
				NO3	24.0	03/09	23.0	06/09		
				CLO4	ND	03/98	ND	09/08		
CHEVRON USA INC.										
TEMP 1	1900250	NON-POTABLE	INACTIVE	VOCS	NA	NA	NA	NA		
				NO3	NA	NA	NA	NA		
				CLO4	NA	NA	NA	NA		
CITRUS VALLEY MEDICAL CENTER, QUEEN OF THE VALLEY CAMPUS										
01	8000138	NON-POTABLE	ACTIVE	VOCS	ND	09/96	ND	10/08		
				NO3	104.8	02/98	89.0	10/08		
				CLO4	24.0	02/98	24.0	02/98		
CLAYTON MANUFACTURING COMPANY										
02	1901055	INDUSTRIAL	DESTROYED	TCE	150.0	08/01	47.0	09/03		
				PCE	30.0	08/01	ND	09/03		
				1,1-DCE	10.0	08/01	1.7	09/03		
				C-1,2-DCE	1.7	08/01	ND	09/03		
				1,1-DCA	15.0	08/01	ND	09/03		
				1,2-DCA	13.0	08/01	ND	09/03		
				1,1,1-TCA	1.1	08/01	ND	09/03		
				NO3	87.0	08/01	39.7	09/03		
				CLO4	4.0	09/97	4.0	09/97		
COINER, JAMES W., DBA COINER NURSERY										
03	1902951	NON-POTABLE	INACTIVE	PCE	293.5	02/98	170.0	10/01	VULNERABLE (NO3 AND CLO4)	
				TCE	10.2	11/87	3.4	10/01		
				CTC	1.6	08/87	1.6	10/01		
				1,1-DCE	6.7	02/98	4.6	10/01		
				C-1,2-DCE	6.8	07/96	2.7	10/01		
				1,1,1-TCA	22.0	02/98	12.0	10/01		
				NO3	67.0	10/01	44.7	09/07		
				CLO4	9.0	02/98	ND	09/98		
05R	1903072	NON-POTABLE	ACTIVE	PCE	7.7	02/98	0.5	10/08	VULNERABLE (VOCS, NO3 AND CLO4)	
				TCE	1.6	10/01	ND	10/08		
				CTC	2.7	07/96	ND	10/08		
				1,1-DCE	5.5	10/01	0.8	10/08		
				CF	6.7	02/98	ND	10/08		
				NO3	84.8	11/05	30.0	10/08		
				CLO4	9.0	02/98	4.0	09/98		
CORCORAN BROTHERS										
01	1902814	NON-POTABLE	DESTROYED	VOCS	NA	NA	NA	NA		
				NO3	NA	NA	NA	NA		
				CLO4	NA	NA	NA	NA		
COUNTY SANITATION DISTRICT NO. 18										
E08A	8000128	REMEDIAL	ACTIVE	VOCS	NA	NA	NA	NA		
				NO3	NA	NA	NA	NA		
				CLO4	NA	NA	NA	NA		
E09A	8000129	REMEDIAL	ACTIVE	VOCS	NA	NA	NA	NA		

# APPENDIX C

## HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
E10A	8000130	REMEDIAL	ACTIVE	NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
				VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
E11A	8000131	REMEDIAL	ACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
EX1	8000141	REMEDIAL	ACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
EX2	8000142	REMEDIAL	ACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
EX3	8000143	REMEDIAL	ACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
EX4	8000144	REMEDIAL	ACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
LE1	8000104	REMEDIAL	ACTIVE	TCE	4.2	06/86	3.7	09/86	VULNERABLE (VOCS)
				PCE	0.8	09/86	0.8	09/86	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
LE2	8000105	REMEDIAL	ACTIVE	TCE	0.1	06/86	ND	09/86	
				PCE	NA	06/86	ND	09/86	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
LE3	8000106	REMEDIAL	ACTIVE	TCE	1.5	06/86	1.2	09/86	
				PCE	1.6	06/86	0.8	09/86	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
LE4	8000107	REMEDIAL	ACTIVE	TCE	5.1	09/86	5.1	09/86	
				PCE	2.0	09/86	2.0	09/86	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
COVINA, CITY OF									
01	1901685	MUNICIPAL	INACTIVE	PCE	0.6	01/99	0.6	01/99	
				NO3	120.0	01/99	120.0	01/99	
				CLO4	NA	NA	NA	NA	
02 (GRAND)	1901686	MUNICIPAL	INACTIVE	VOCS	ND	06/88	ND	09/98	
				NO3	116.0	08/89	103.0	04/99	
				CLO4	23.0	09/97	22.0	09/98	
03	1901687	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	72.0	10/73	72.0	10/73	
				CLO4	NA	NA	NA	NA	
COVINA IRRIGATING COMPANY									
BAL 1	1900885	MUNICIPAL	ACTIVE	TCE	200.0	07/80	ND	10/08	VULNERABLE (VOCS AND NO3)
				PCE	7.6	07/80	ND	10/08	
				1,1-DCE	0.5	10/06	ND	10/08	
				MC	0.9	10/06	ND	10/08	
				NO3	35.5	12/89	5.4	01/09	
				CLO4	1.5	10/06	ND	09/08	

# APPENDIX C

## HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
BAL 2	1900883	MUNICIPAL	ACTIVE	TCE	195.0	06/80	ND	10/08	VULNERABLE (VOCS, NO3 AND CLO4)
				PCE	7.9	06/80	ND	10/08	
				1,1-DCE	0.8	07/07	ND	04/09	
				NO3	42.7	12/89	33.0	04/09	
				CLO4	5.5	03/09	5.5	03/09	
BAL 3	1900882	MUNICIPAL	ACTIVE	TCE	225.0	01/80	ND	10/08	VULNERABLE (VOCS, NO3 AND CLO4)
				PCE	10.0	02/85	ND	10/08	
				CTC	3.0	04/85	ND	10/08	
				1,1-DCA	4.0	04/85	ND	10/08	
				1,2-DCA	3.7	02/85	ND	10/08	
				1,1-DCE	2.1	04/85	ND	10/08	
				T-1,2-DCE	2.9	02/85	ND	10/08	
				1,1,1-TCA	5.2	04/85	ND	10/08	
				NO3	57.3	08/89	34.0	04/09	
				CLO4	5.6	09/08	4.5	04/09	
CONTR	1900881	MUNICIPAL	INACTIVE	PCE	1.4	12/92	1.3	03/94	
				NO3	125.3	12/89	108.0	03/94	
				CLO4	NA	NA	NA	NA	
VALEN	1900880	MUNICIPAL	INACTIVE	PCE	2.4	08/85	0.6	09/97	
				NO3	73.0	06/81	69.3	09/97	
				CLO4	6.4	09/97	6.4	09/97	
CREVOLIN, A.J.									
NA	8000011	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
CROWN CITY PLATING COMPANY									
01	8000012	INDUSTRIAL	ACTIVE	TCE	1.2	09/04	1.2	09/04	
				T-1,2-DCE	1.4	05/87	ND	09/04	
				NO3	7.4	09/04	3.4	09/08	
				CLO4	ND	09/97	ND	10/07	
DAVIDSON OPTRONICS INC.									
NA	8000013	INDUSTRIAL	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
DAWES, MARY K.									
04	1902952	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
DEL RIO MUTUAL WATER COMPANY									
BURKETT	1900331	MUNICIPAL	ACTIVE	TCE	2.2	06/90	ND	09/08	VULNERABLE (VOCS AND NO3)
				PCE	3.7	03/97	ND	09/08	
				NO3	31.0	12/03	15	09/08	
				CLO4	ND	09/97	ND	09/08	
KLING	1900332	MUNICIPAL	INACTIVE	PCE	1.3	08/86	ND	02/89	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
DRIFTWOOD DAIRY									
01	1902924	INDUSTRIAL	ACTIVE	PCE	13.9	06/98	13.9	06/98	
				1,1,1-TCA	0.3	03/93	ND	06/98	
				NO3	65.1	03/93	46.8	06/98	
				CLO4	ND	06/98	ND	06/98	

# APPENDIX C

## HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
1910	1900091	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
EAST PASADENA WATER COMPANY, LTD.									
09	1901508	MUNICIPAL	ACTIVE	VOCS	ND	06/88	ND	07/08	
				NO3	4.1	03/98	3.6	03/09	
				CLO4	ND	07/97	ND	03/09	
EL MONTE, CITY OF									
02A	1901692	MUNICIPAL	ACTIVE	PCE	13.0	03/98	5.7	04/09	VULNERABLE (NO3) (1)
				TCE	5.3	01/95	1.8	04/09	
				NO3	24.5	04/08	12.0	04/09	
				CLO4	ND	07/97	ND	07/08	
03	1901693	MUNICIPAL	STANDBY	PCE	23.6	12/00	5.8	09/08	
				1,1,1-TCA	1.0	11/93	ND	07/08	
				NO3	71.6	08/89	49.0	04/09	
				CLO4	ND	07/97	ND	07/08	
04	1901694	MUNICIPAL	ACTIVE	PCE	16.2	03/84	0.6	01/08	VULNERABLE (VOCS AND NO3)
				TCE	7.8	02/80	ND	12/07	
				NO3	44.4	12/07	40.3	01/08	
				CLO4	ND	07/97	ND	07/03	
05	1901695	MUNICIPAL	DESTROYED	TCE	150.0	07/93	70.0	12/96	
				PCE	51.0	07/93	32.0	12/96	
				CTC	4.3	07/93	1.4	12/96	
				NO3	53.9	12/96	26.3	06/99	
				CLO4	5.9	06/97	5.9	06/97	
10	1901699	MUNICIPAL	ACTIVE	TCE	7.2	09/81	ND	04/09	VULNERABLE (VOCS) (1)
				PCE	17.7	12/93	2.6	04/09	
				NO3	20.0	04/09	20.0	04/09	
				CLO4	ND	06/97	ND	09/08	
11	1901700	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	21.6	07/79	21.6	07/79	
				CLO4	NA	NA	NA	NA	
12	1903137	MUNICIPAL	ACTIVE	TCE	53.2	06/92	34.0	04/09	VULNERABLE (NO3) (1)
				PCE	18.4	07/08	14.0	04/09	
				CTC	1.0	06/92	ND	04/09	
				NO3	41.0	06/05	33.0	04/09	
				CLO4	ND	06/97	ND	07/08	
13	8000101	MUNICIPAL	ACTIVE	PCE	2.7	10/08	1.2	04/09	VULNERABLE (VOCS)
				TCE	2.9	10/08	1.0	04/09	
				NO3	17.0	03/03	11.1	03/09	
				CLO4	ND	07/97	ND	07/08	
MT VW	1902612	IRRIGATION	DESTROYED	PCE	2.1	08/85	ND	01/01	
				TCE	2.0	01/85	ND	01/01	
				NO3	30.0	02/87	10.0	01/01	
				CLO4	ND	09/97	ND	11/97	
EL MONTE CEMETERY ASSOCIATION									
NA	8000017	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
FRUIT STREET WATER COMPANY									
NA	1901199	IRRIGATION	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	

# APPENDIX C

## HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				CLO4	NA	NA	NA	NA	
GIFFORD, BROOKS JR.									
01	1902144	NA	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
GLEN DORA, CITY OF									
01-E	1901523	MUNICIPAL	ACTIVE	TCE	0.8	12/80	ND	09/07	VULNERABLE (NO3)
				NO3	38.1	10/88	35.0	08/08	
				CLO4	ND	06/97	ND	03/03	
02-E	1901526	MUNICIPAL	ACTIVE	VOCS	ND	03/85	ND	09/08	VULNERABLE (NO3)
				NO3	70.0	05/78	9.4	12/08	
				CLO4	ND	07/97	ND	09/08	
03-G	1901525	MUNICIPAL	INACTIVE	TCE	0.5	12/79	ND	05/97	
				PCE	0.5	05/97	0.5	05/97	
				NO3	162.4	08/83	111.0	08/99	
				CLO4	NA	NA	NA	NA	
04-E	1901524	MUNICIPAL	INACTIVE	TCE	0.7	08/80	ND	08/91	
				PCE	0.1	07/81	ND	08/91	
				NO3	126.0	06/83	56.8	08/91	
				CLO4	NA	NA	NA	NA	
05-E	8000149	MUNICIPAL	ACTIVE	VOCS	ND	02/95	ND	09/08	
				NO3	3.2	05/95	2.1	06/09	
				CLO4	ND	07/97	ND	09/08	
07-G	1900831	MUNICIPAL	INACTIVE	TCE	302.0	01/81	ND	04/98	VULNERABLE (VOCS AND CLO4) (3)
				PCE	25.0	01/81	1.9	04/98	
				1,1-DCE	435.0	05/84	ND	04/98	
				C-1,2-DCE	21.0	05/82	ND	04/98	
				1,1-DCA	5.0	05/84	ND	04/98	
				1,2-DCA	12.1	12/93	ND	04/98	
				1,1,1-TCA	3,200	05/84	64.0	04/98	
				NO3	106.0	04/98	75.9	04/98	
				CLO4	5.3	04/98	5.3	04/98	
08-E	1900829	MUNICIPAL	ACTIVE	MC	0.7	08/02	ND	03/09	
				NO3	6.6	08/86	ND	12/08	
				CLO4	ND	07/97	ND	09/08	
09-E	1900830	MUNICIPAL	ACTIVE	VOCS	ND	05/89	ND	09/08	
				NO3	4.1	08/96	ND	12/08	
				CLO4	ND	07/97	ND	09/08	
10-E	1900828	MUNICIPAL	ACTIVE	CF	1.9	07/97	ND	03/09	VULNERABLE (NO3)
				NO3	78.0	05/77	40.0	06/09	
				CLO4	ND	07/97	ND	09/08	
11-E	1900826	MUNICIPAL	ACTIVE	VOCS	ND	05/82	ND	10/08	
				NO3	117.5	08/73	48.0	06/09	
				CLO4	ND	07/97	ND	09/08	
12-G	1900827	MUNICIPAL	ACTIVE	TCE	0.9	12/80	ND	09/08	
				MC	2.2	05/89	ND	09/08	
				NO3	4.7	07/98	ND	12/08	
				CLO4	ND	06/97	ND	09/08	
13-E	8000184	MUNICIPAL	ACTIVE	BF	0.7	06/04	ND	03/09	VULNERABLE (NO3)
				NO3	25.0	06/09	25.0	06/09	
				CLO4	ND	06/04	ND	09/08	
GOEDERT, LILLIAN									

# APPENDIX C

## HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)						REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT			
					VALUE	DATE	VALUE	DATE		
GOEDERT	8000159	IRRIGATION	DESTROYED	VOCS	ND	06/98	ND	06/98		
				NO3	7.0	06/98	7.0	06/98		
				CLO4	ND	06/98	ND	06/98		
GOLDEN STATE WATER COMPANY/SAN GABRIEL VALLEY DISTRICT										
AZU 1	1902020	MUNICIPAL	DESTROYED	TCE	15.0	07/93	0.6	01/95		
				PCE	1.9	07/93	ND	01/95		
				NO3	72.9	12/90	35.0	07/02		
				CLO4	NA	NA	NA	10/02		
EARL 1	1902144	MUNICIPAL	ACTIVE	PCE	6.0	09/03	6.0	09/03		
				NO3	7.2	08/03	7.1	09/03		
				CLO4	ND	08/97	ND	08/03		
ENC 1	1902024	MUNICIPAL	ACTIVE	TCE	21.0	04/03	5.8	06/09	VULNERABLE (NO3 AND CLO4) (1)	
				PCE	3.5	04/03	1.9	06/09		
				CF	0.9	08/00	ND	11/08		
				NO3	77.6	08/91	33.0	06/09		
				CLO4	4.2	12/03	ND	11/08		
ENC 2	1902035	MUNICIPAL	ACTIVE	TCE	29.1	02/01	8.8	06/09	(1)	
				PCE	6.1	02/01	4.2	06/09		
				NO3	21.0	02/09	18.0	06/09		
				CLO4	ND	08/97	ND	04/08		
ENC 3	8000073	MUNICIPAL	ACTIVE	PCE	4.7	01/02	2.9	06/09	VULNERABLE (NO3) (1)	
				TCE	11.0	01/02	7.3	06/09		
				NO3	43.2	07/93	18.0	06/09		
				CLO4	ND	09/97	ND	04/08		
FAR 1	1902034	MUNICIPAL	ACTIVE	TCE	11.9	10/80	ND	02/09	VULNERABLE (VOCS)	
				PCE	3.1	10/87	ND	02/09		
				NO3	13.0	07/89	ND	06/09		
				CLO4	ND	08/97	ND	06/09		
FAR 2	1902948	MUNICIPAL	ACTIVE	TCE	12.9	07/80	ND	06/09	VULNERABLE (VOCS)	
				PCE	2.6	10/87	ND	08/08		
				NO3	12.2	07/90	4.2	08/08		
				CLO4	ND	08/97	ND	08/08		
GAR 1	1900513	MUNICIPAL	ACTIVE	CF	0.8	08/99	ND	07/03	VULNERABLE (VOCS)	
				PCE	4.5	10/03	4.5	10/03		
				NO3	8.3	08/03	7.7	09/03		
				CLO4	ND	08/97	ND	08/03		
GAR 2	1900512	MUNICIPAL	ACTIVE	PCE	12.0	07/03	11.0	08/03		
				TCE	2.2	08/03	2.2	08/03		
				NO3	7.3	08/97	4.6	07/02		
				CLO4	ND	08/97	ND	08/03		
GID 1	1902032	MUNICIPAL	DESTROYED	TCE	6.6	04/85	4.1	09/93		
				PCE	0.9	09/93	0.9	09/93		
				NO3	40.6	09/93	40.6	09/93		
				CLO4	NA	NA	NA	NA		
GID 2	1902031	MUNICIPAL	DESTROYED	TCE	86.0	05/87	5.2	09/93		
				PCE	20.0	05/87	1.5	09/93		
				CTC	3.0	05/87	ND	09/93		
				NO3	45.8	09/93	45.8	09/93		
				CLO4	NA	NA	NA	NA		
GRA 1	1902030	MUNICIPAL	INACTIVE	TCE	33.0	09/88	25.4	11/94	VULNERABLE (NO3)	
				PCE	2.5	11/93	0.6	11/94		
				NO3	86.8	08/89	44.4	07/95		
				CLO4	NA	NA	NA	NA		
GRA 2	1902461	MUNICIPAL	INACTIVE	TCE	31.3	08/89	24.6	08/94	VULNERABLE (NO3)	
				PCE	3.3	09/94	3.3	09/94		

# APPENDIX C

## HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
JEF 1	1902017	MUNICIPAL	INACTIVE	1,1-DCE	4.8	08/94	4.8	08/94	
				NO3	82.1	07/90	44.2	07/95	
				CLO4	NA	NA	NA	NA	
				TCE	340.0	01/80	98.0	01/85	
				PCE	23.0	03/81	8.0	01/85	
				1,1,1-TCA	31.0	01/85	31.0	01/85	
				MC	10.0	01/85	10.0	01/85	
				NO3	52.0	07/83	48.7	03/86	
JEF 2	1902018	MUNICIPAL	INACTIVE	CLO4	NA	NA	NA	NA	
				TCE	260.0	01/80	140.0	01/85	
				PCE	15.0	03/81	6.0	01/85	
				1,1-DCE	20.0	01/85	20.0	01/85	
				1,1,1-TCA	54.0	01/85	54.0	01/85	
				MC	6.0	01/85	6.0	01/85	
				NO3	68.0	06/77	61.0	06/79	
				CLO4	NA	NA	NA	NA	
JEF 3	1902019	MUNICIPAL	INACTIVE	TCE	121.0	02/81	4.9	08/92	VULNERABLE (VOCS AND NO3) (3)
				PCE	12.0	03/81	0.6	08/92	
				1,1,1-TCA	29.0	04/85	ND	08/92	
				T-1,2-DCE	2.4	04/85	ND	08/92	
				NO3	52.0	12/84	23.5	08/92	
				CLO4	NA	NA	NA	NA	
				VOCS	ND	08/89	ND	08/08	
				NO3	14.7	07/89	5.5	08/08	
JEF 4	8000111	MUNICIPAL	ACTIVE	CLO4	ND	08/97	ND	08/08	
				TCE	25.8	10/80	1.1	06/09	
				PCE	6.8	07/87	0.5	06/09	
				NO3	22.8	08/86	19.0	08/08	
PER 1	1902027	MUNICIPAL	ACTIVE	CLO4	ND	08/97	ND	08/08	VULNERABLE (VOCS AND NO3) (3)
				TCE	25.8	10/80	1.1	06/09	
				PCE	6.8	07/87	0.5	06/09	
				NO3	22.8	08/86	19.0	08/08	
S G 1	1900510	MUNICIPAL	ACTIVE	CLO4	ND	08/97	ND	08/08	VULNERABLE (NO3 AND CLO4) (1)
				TCE	6.8	12/03	ND	06/09	
				PCE	46.0	04/06	7.8	06/09	
				C-1,2-DCE	1.8	11/04	ND	06/09	
				1,1-DCA	1.8	06/04	ND	06/09	
				1,1-DCE	0.7	11/04	ND	06/09	
				FREON 11	1.2	08/03	ND	08/08	
				NO3	27.0	04/02	21.0	06/09	
S G 2	1900511	MUNICIPAL	ACTIVE	CLO4	8.1	08/03	ND	06/09	VULNERABLE (VOCS AND CLO4) (1)
				TCE	3.6	06/99	ND	10/05	
				PCE	11.0	02/03	0.8	10/05	
				C-1,2-DCE	1.2	02/01	ND	10/05	
				NO3	53.1	10/05	53.1	10/05	
SAX 1	1900515	MUNICIPAL	DESTROYED	CLO4	7.0	02/03	ND	10/05	VULNERABLE (NO3)
				PCE	1.4	04/97	0.9	12/97	
				MC	2.2	04/89	ND	08/97	
				NO3	33.1	10/97	33.1	10/97	
SAX 3	1900514	MUNICIPAL	ACTIVE	CLO4	ND	08/97	ND	12/97	VULNERABLE (NO3)
				VOCS	ND	04/89	ND	08/08	
				NO3	27.3	11/96	2.3	08/08	
SAX 4	8000146	MINICIPAL	ACTIVE	CLO4	ND	08/97	ND	08/08	VULNERABLE (NO3)
				VOCS	ND	03/92	ND	08/08	
				NO3	11.9	08/99	ND	08/08	
ART-1	1902151	MUNICIPAL	DESTROYED	CLO4	ND	08/97	ND	08/08	
				VOCS	NA	NA	NA	NA	
				NO3	60.0	10/74	60.0	10/74	
GOLDEN STATE WATER COMPANY/SAN DIMAS DISTRICT									
				CLO4	NA	NA	NA	NA	



# APPENDIX C

## HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)						REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT			
					VALUE	DATE	VALUE	DATE		
ART-2	1902152	MUNICIPAL	ACTIVE	VOCS	ND	06/89	ND	05/07	VULNERABLE (NO3)	
				NO3	26.2	08/07	9.4	09/07		
				CLO4	ND	08/97	ND	09/07		
ART-3	1902842	MUNICIPAL	ACTIVE	VOCS	ND	05/89	ND	05/09	VULNERABLE (NO3 AND CLO4)	
				NO3	60.0	01/73	33.0	05/09		
				CLO4	4.7	02/09	4.0	05/09		
BAS-3	1902148	MUNICIPAL	ACTIVE	VOCS	ND	06/89	ND	05/09	VULNERABLE (NO3 AND CLO4)	
				NO3	67.0	01/03	24.0	05/09		
				CLO4	17.0	03/03	ND	05/09		
BAS-4	1902149	MUNICIPAL	ACTIVE	VOCS	ND	03/85	ND	05/09		
				NO3	106.0	05/76	87.0	05/09		
				CLO4	20.0	01/02	13.0	05/09		
CITY	1902286	MUNICIPAL	ACTIVE	VOCS	ND	06/88	ND	05/08	VULNERABLE (NO3)	
				NO3	44.7	09/93	31.0	11/08		
				CLO4	ND	08/97	ND	08/08		
COL-1	1902266	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA		
				NO3	93.0	09/75	10.0	10/76		
				CLO4	NA	NA	NA	NA		
COL-2	1902267	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA		
				NO3	117.5	10/76	117.5	10/76		
				CLO4	NA	NA	NA	NA		
COL-4	1902268	MUNICIPAL	ACTIVE	CF	7.5	09/97	ND	02/08	VULNERABLE (NO3)	
				NO3	64.0	03/83	4.1	05/08		
				CLO4	ND	09/97	ND	04/08		
COL-5	1902269	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA		
				NO3	NA	NA	NA	NA		
				CLO4	NA	NA	NA	NA		
COL-6	1902270	MUNICIPAL	ACTIVE	PCE	7.2	07/85	ND	05/08	VULNERABLE (VOCS AND NO3)	
				CF	0.6	09/97	ND	05/08		
				NO3	56.0	06/85	38.2	05/08		
				CLO4	ND	09/97	ND	10/07		
COL-7	1902271	MUNICIPAL	ACTIVE	PCE	22.0	12/87	3.1	11/99	VULNERABLE (VOCS AND CLO4)	
				TCE	9.9	01/80	ND	09/99		
				1,1-DCE	1.1	03/85	ND	09/99		
				1,1,1-TCA	1.7	07/85	ND	09/99		
				NO3	118.0	05/79	68.1	01/00		
				CLO4	4.2	01/02	4.2	01/02		
COL-8	1902272	MUNICIPAL	INACTIVE	PCE	0.2	09/80	ND	12/96		
				NO3	120.0	06/83	50.8	12/96		
				CLO4	NA	NA	NA	NA		
HIGHWAY	1902150	MUNICIPAL	ACTIVE	TCE	0.6	12/80	ND	05/09	VULNERABLE (NO3 AND CLO4)	
				PCE	0.1	12/80	ND	05/09		
				NO3	42.5	10/03	12.0	05/09		
				CLO4	8.0	10/03	ND	05/09		
L HILL 2	1902154	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA		
				NO3	NA	NA	NA	NA		
				CLO4	NA	NA	NA	NA		
MALON	1902287	MUNICIPAL	ACTIVE	CF	1.7	08/96	ND	05/09	VULNERABLE (NO3)	
				NO3	42.0	09/87	19.0	05/09		
				CLO4	ND	08/97	ND	08/08		
GREEN, WALTER										
NA	8000027	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA		
				NO3	NA	NA	NA	NA		

# APPENDIX C

## HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)						REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT			
					VALUE	DATE	VALUE	DATE		
NA	8000028	NON-POTABLE	INACTIVE	CLO4	NA	NA	NA	NA		
				VOCS	NA	NA	NA	NA		
				NO3	NA	NA	NA	NA		
				CLO4	NA	NA	NA	NA		
HALL (W.E.) COMPANY										
NA	1902496	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA		
				NO3	NA	NA	NA	NA		
				CLO4	NA	NA	NA	NA		
HANSEN, ALICE										
2946C	8000029	IRRIGATION	ACTIVE	VOCS	NA	NA	NA	NA		
				NO3	NA	NA	NA	NA		
				CLO4	NA	NA	NA	NA		
HANSON AGGREGATES WEST, INC.										
DUA 1	1900961	INDUSTRIAL	INACTIVE	VOCS	NA	NA	NA	NA		
				NO3	NA	NA	NA	NA		
				CLO4	NA	NA	NA	NA		
EL 1	1901492	INDUSTRIAL	ACTIVE	VOCS	ND	05/98	ND	09/02		
				NO3	17.0	02/93	2.2	09/02		
				CLO4	ND	03/98	ND	03/98		
EL 3	1901493	INDUSTRIAL	ACTIVE	VOCS	ND	06/98	ND	09/02		
				NO3	22.0	05/93	2.8	09/02		
				CLO4	ND	03/98	ND	03/98		
EL 4	1903006	INDUSTRIAL	ACTIVE	VOCS	ND	12/87	ND	09/02		
				NO3	6.3	06/98	ND	09/02		
				CLO4	NA	NA	NA	NA		
KIN 1	1900963	INDUSTRIAL	DESTROYED	VOCS	NA	NA	NA	NA		
				NO3	NA	NA	NA	NA		
				CLO4	NA	NA	NA	NA		
HARTLEY, DAVID										
NA	8000085	DOMESTIC	ACTIVE	VOCS	ND	10/95	ND	10/95		
				NO3	111.0	01/96	75.0	04/96		
				CLO4	NA	NA	NA	NA		
HEMLOCK MUTUAL WATER COMPANY										
NORTH	1901178	MUNICIPAL	ACTIVE	PCE	51.7	04/82	ND	06/09	VULNERABLE (VOCS) (1)	
				TCE	0.7	12/87	ND	06/09		
				NO3	18.9	12/06	5.6	12/08		
				CLO4	ND	09/97	ND	09/08		
SOUTH	1902806	MUNICIPAL	ACTIVE	PCE	210.0	12/87	ND	06/09	VULNERABLE (VOCS AND NO3) (1)	
				TCE	0.9	04/89	ND	06/09		
				NO3	32.7	12/94	5.0	06/09		
				CLO4	ND	09/97	ND	09/08		
INDUSTRY WATERWORKS SYSTEM, CITY OF										
01	1902581	MUNICIPAL	INACTIVE	TCE	40.0	01/80	1.7	10/92		
				PCE	9.0	04/80	5.0	10/92		
				CTC	5.7	10/92	5.7	10/92		
				1,1-DCE	15.3	10/92	15.3	10/92		
				1,2-DCA	0.6	10/92	0.6	10/92		
				NO3	60.2	10/92	60.2	10/92		
				CLO4	NA	NA	NA	NA		
02	1902582	MUNICIPAL	INACTIVE	TCE	19.0	01/80	2.3	04/81		

# APPENDIX C

## HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)						REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT			
					VALUE	DATE	VALUE	DATE		
				PCE	10.0	04/81	10.0	04/81		
				NO3	55.5	02/86	55.5	02/86		
				CLO4	100.0	04/99	100.0	04/99		
03	8000078	MUNICIPAL	STANDBY	PCE	2.6	09/80	1.6	07/06	VULNERABLE	
				TCE	12.0	07/06	12.0	07/06	(NO3, AND CLO4)	
				CTC	0.5	07/06	0.5	07/06		
				1,2-DCA	0.5	07/06	0.5	07/06		
				BDCM	0.6	07/03	ND	07/06		
				BF	0.5	07/03	ND	07/06		
				CF	0.9	09/02	0.6	07/06		
				NO3	31.1	08/00	ND	07/06		
				CLO4	120.0	04/99	ND	07/06		
04	8000096	MUNICIPAL	STANDBY	PCE	2.4	08/01	0.5	07/06	VULNERABLE	
				TCE	8.0	11/01	1.7	07/06	(VOCS AND NO3) (2)	
				1,1-DCE	0.9	09/02	0.6	07/06		
				1,2-DCA	1.0	11/01	ND	07/06		
				CTC	0.7	11/01	ND	07/05		
				MC	0.9	06/89	ND	07/05		
				NO3	42.0	06/02	33.0	04/07		
				CLO4	14.8	06/01	6.5	01/06		
05	8000097	MUNICIPAL	ACTIVE	PCE	0.9	11/01	ND	08/08	VULNERABLE	
				TCE	6.8	04/96	2.5	08/08	(VOCS AND NO3) (2)	
				1,2-DCA	0.7	09/02	ND	08/08		
				CF	0.6	01/07	ND	08/08		
				NO3	28.0	08/08	28.0	08/08		
				CLO4	11.0	04/04	8.1	08/08		
05TH AVE	1902583	MUNICIPAL	DESTROYED	TCE	0.3	12/80	0.3	12/80		
				NO3	NA	NA	NA	NA		
				CLO4	NA	NA	NA	NA		
KNIGHT, KATHRYN M.										
NA	1901688	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA		
				NO3	NA	NA	NA	NA		
				CLO4	NA	NA	NA	NA		
LANDEROS, JOHN										
NA	8000031	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA		
				NO3	NA	NA	NA	NA		
				CLO4	NA	NA	NA	NA		
LA PUENTE VALLEY COUNTY WATER DISTRICT										
01	1901459	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA		
				NO3	NA	NA	NA	NA		
				CLO4	NA	NA	NA	NA		
02	1901460	MUNICIPAL	ACTIVE	TCE	105.0	12/08	79.0	05/09	VULNERABLE	
				PCE	6.6	03/00	3.4	05/09	(NO3) (1,4)	
				CTC	8.5	12/02	4.3	05/09		
				1,1-DCA	2.1	11/03	ND	05/09		
				1,2-DCA	6.1	03/00	3.1	05/09		
				1,1-DCE	1.6	12/00	ND	05/09		
				C-1,2-DCE	1.8	12/00	1.3	05/09		
				CF	2.5	12/08	2.1	05/09		
				NO3	32.0	02/09	23.0	05/09		
				CLO4	183.0	02/98	73.0	05/09		
03	1902859	MUNICIPAL	ACTIVE	TCE	68.4	06/98	6.2	06/09	VULNERABLE	
				PCE	6.3	04/85	1.4	06/09	(NO3) (1,4)	
				CTC	8.5	11/04	ND	06/09		
				1,1-DCE	0.9	10/95	ND	06/09		
				1,2-DCA	6.7	02/99	ND	06/09		
				C-1,2-DCE	1.4	01/97	ND	06/09		

# APPENDIX C

## HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS					
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT							
					VALUE	DATE	VALUE	DATE						
04	8000062	MUNICIPAL	STANDBY	1,1-DCA	0.5	09/01	ND	06/09	VULNERABLE (NO3) (1,4)					
				CF	1.8	09/01	ND	06/09						
				NO3	95.0	01/80	30.6	04/09						
				CLO4	174.0	02/98	16.0	04/09						
				TCE	84.3	03/00	46.0	04/04						
				PCE	6.6	03/00	2.9	04/04						
				CTC	7.6	04/95	1.9	04/04						
				1,1-DCA	0.7	04/04	0.7	04/04						
				1,2-DCA	8.1	03/00	4.4	04/04						
				1,1-DCE	1.3	04/97	0.5	04/04						
				C-1,2-DCE	15.6	11/98	1.7	04/04						
				CF	2.3	04/04	2.3	04/04						
				NO3	24.9	04/95	18.1	04/04						
				CLO4	159.0	06/97	71.2	04/04						
05	8000209	MUNICIPAL	ACTIVE	TCE	43.0	03/08	25.0	03/09	VULNERABLE (NO3) (1,4)					
				PCE	3.8	03/08	2.2	03/09						
				CTC	2.3	03/08	1.2	03/09						
				1,1-DCA	0.5	03/08	ND	03/09						
				1,2-DCA	2.7	03/08	1.2	03/09						
				1,1-DCE	0.5	03/08	ND	03/09						
				C-1,2-DCE	0.8	11/08	0.7	03/09						
				CF	1.7	03/08	ND	03/09						
				NO3	28.0	03/09	27.0	03/09						
				CLO4	65.0	03/08	32.0	04/09						
				LA VERNE, CITY OF										
				SNIDO	1902322	MUNICIPAL	DESTROYED	VOCS		NA	NA	NA	NA	
								NO3		NA	NA	NA	NA	
								CLO4		NA	NA	NA	NA	
W15-L	1902769	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA						
				NO3	NA	NA	NA	NA						
				CLO4	NA	NA	NA	NA						
W24-L	1901197	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA						
				NO3	NA	NA	NA	NA						
				CLO4	NA	NA	NA	NA						
LEE, PAUL														
01	8000018	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA						
				NO3	NA	NA	NA	NA						
				CLO4	NA	NA	NA	NA						
02	8000019	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA						
				NO3	NA	NA	NA	NA						
				CLO4	NA	NA	NA	NA						
03	8000020	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA						
				NO3	NA	NA	NA	NA						
				CLO4	NA	NA	NA	NA						
04	8000021	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA						
				NO3	NA	NA	NA	NA						
				CLO4	NA	NA	NA	NA						
LOS ANGELES, COUNTY OF														
02	1902580	NON POTABLE	ACTIVE	PCE	6.6	09/04	6.6	09/04						
				TCE	1.3	09/04	1.3	09/04						
				1,2-DCA	0.5	01/96	ND	09/04						
				NO3	10.7	09/04	10.7	09/04						
				CLO4	ND	08/97	ND	08/97						
03	1902663	IRRIGATION	DESTROYED	PCE	2.1	06/94	2.1	06/94						
				TCE	0.7	06/94	0.7	06/94						
				NO3	4.8	06/94	4.8	06/94						

# APPENDIX C

## HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				CLO4	NA	NA	NA	NA	
03A	8000150	IRRIGATION	ACTIVE	PCE	2.5	11/99	ND	10/08	
				NO3	2.1	08/96	ND	10/08	
				CLO4	ND	08/97	ND	08/97	
04	1902664	IRRIGATION	INACTIVE	1,1,1-TCA	0.7	05/87	ND	11/87	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
05	1902665	IRRIGATION	ACTIVE	PCE	39.0	09/03	35.7	10/08	
				TCE	1.3	09/03	ND	10/08	
				NO3	18.0	09/03	14.0	10/08	
				CLO4	ND	08/97	ND	08/97	
06	1902666	IRRIGATION	INACTIVE	PCE	7.4	08/96	2.8	11/99	VULNERABLE (VOCS)
				TCE	8.3	08/96	2.9	11/99	
				1,1-DCA	2.0	08/96	ND	11/99	
				1,1-DCE	1.4	08/96	ND	11/99	
				C-1,2-DCE	4.5	08/96	0.8	11/99	
				NO3	11.6	08/96	8.4	11/99	
				CLO4	NA	NA	NA	NA	
600	8000090	IRRIGATION	INACTIVE	VOCS	ND	07/98	ND	07/98	
				NO3	4.8	07/98	4.8	07/98	
				CLO4	ND	07/98	ND	07/98	
BIG RED	8000088	NON POTABLE	ACTIVE	1,2-DCA	0.6	01/96	ND	10/08	VULNERABLE (VOCS)
				NO3	12.0	09/02	ND	10/08	
				CLO4	ND	08/97	ND	08/97	
NEW LAKE	8000089	NON POTABLE	ACTIVE	PCE	19.7	02/00	ND	11/08	VULNERABLE (VOCS)
				TCE	0.9	02/00	ND	11/08	
				CF	1.3	11/08	1.3	11/08	
				NO3	22.0	02/00	12.0	11/08	
				CLO4	ND	08/97	ND	08/97	
SF 1	8000070	NON POTABLE	ACTIVE	TCE	4.3	09/04	ND	03/09	VULNERABLE (VOCS)
				PCE	7.6	09/04	ND	03/09	
				VC	1.4	12/87	ND	10/08	
				NO3	16.0	09/02	11.3	03/09	
				CLO4	ND	06/97	ND	03/09	
WHI 1	1902579	NON POTABLE	ACTIVE	PCE	3.8	09/04	2.8	10/08	VULNERABLE (VOCS)
				TCE	1.0	09/04	ND	10/08	
				NO3	6.7	09/04	5.7	10/08	
				CLO4	ND	08/97	ND	08/97	
LOS FLORES MUTUAL WATER COMPANY									
HI 1	21902098	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
LO 1	11902098	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
LOUCKS, DAVID									
NA	8000032	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
MAECHTLEN ESTATE									
M-N	1902323	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	

# APPENDIX C

## HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)						REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT			
					VALUE	DATE	VALUE	DATE		
OLD60	1902321	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA		
				NO3	NA	NA	NA	NA		
				CLO4	NA	NA	NA	NA		
SNIDO	1902322	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA		
				NO3	NA	NA	NA	NA		
				CLO4	NA	NA	NA	NA		
MANNING BROTHERS ROCK AND SAND COMPANY										
36230	1900117	INDUSTRIAL	DESTROYED	TCE	520.0	12/79	100.0	01/80		
				NO3	NA	NA	NA	NA		
				CLO4	NA	NA	NA	NA		
MAPLE WATER COMPANY										
01	8000109	MUNICIPAL	DESTROYED	VOCS	ND	06/89	ND	07/96		
				NO3	68.0	09/94	55.5	07/96		
				CLO4	NA	NA	NA	NA		
02	1900042	MUNICIPAL	DESTROYED	VOCS	ND	06/89	ND	07/96		
				NO3	62.7	11/89	55.3	07/96		
				CLO4	NA	NA	NA	NA		
MARTINEZ, FRANCES M.										
NA	8000033	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA		
				NO3	NA	NA	NA	NA		
				CLO4	NA	NA	NA	NA		
METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA										
02	1900693	NON-POTABLE	DESTROYED	VOCS	NA	NA	NA	NA		
				NO3	NA	NA	NA	NA		
				CLO4	NA	NA	NA	NA		
03	1900694	NON-POTABLE	DESTROYED	VOCS	NA	NA	NA	NA		
				NO3	NA	NA	NA	NA		
				CLO4	NA	NA	NA	NA		
MILLER COORS LLC (MILLER BREWING COMPANY)										
01	8000075	INDUSTRIAL	INACTIVE	VOCS	ND	01/92	ND	06/08		
				NO3	9.8	01/93	4.7	06/08		
				CLO4	ND	06/97	ND	06/08		
02	8000076	INDUSTRIAL	INACTIVE	VOCS	ND	01/92	ND	05/08		
				NO3	14.0	10/92	3.4	05/08		
				CLO4	ND	06/97	ND	05/08		
N BREWER	8000034	INDUSTRIAL	INACTIVE	VOCS	NA	NA	NA	NA		
				NO3	NA	NA	NA	NA		
				CLO4	NA	NA	NA	NA		
MONROVIA, CITY OF										
01	1900417	MUNICIPAL	DESTROYED	TCE	46.8	11/92	12.0	04/02		
				PCE	3.9	03/81	0.8	04/02		
				1,1-DCE	1.2	08/96	0.9	04/02		
				1,1,1-TCA	2.1	08/87	ND	07/01		
				CF	3.2	07/01	3.2	07/01		
				NO3	78.0	02/01	60.0	03/02		
				CLO4	11.1	02/01	8.4	04/02		
02	1900418	MUNICIPAL	ACTIVE	TCE	167.0	08/82	7.8	03/09	VULNERABLE (CLO4) (1)	
				PCE	11.0	08/82	0.6	03/09		
				1,1,1-TCA	7.1	02/87	ND	07/08		
				1,1-DCE	3.4	06/87	ND	03/09		

# APPENDIX C

## HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				1,2-DCA	1.5	02/87	ND	07/08	
				CF	2.2	07/07	1.2	07/08	
				NO3	65.6	12/91	62.0	03/09	
				CLO4	6.0	01/05	5.5	03/09	
03	1900419	MUNICIPAL	ACTIVE	TCE	18.0	08/82	3.4	04/09	VULNERABLE (VOCS AND NO3)
				PCE	17.0	08/82	ND	04/09	
				1,1-DCE	0.8	12/08	ND	04/09	
				CF	1.8	07/08	1.8	07/08	
				NO3	49.6	05/76	19.0	04/09	
				CLO4	ND	08/97	ND	07/08	
04	1900420	MUNICIPAL	ACTIVE	TCE	6.5	02/91	ND	04/09	VULNERABLE (VOCS AND NO3)
				PCE	1.0	02/91	ND	04/09	
				1,1-DCE	1.1	01/05	ND	04/09	
				MC	2.5	05/89	ND	07/08	
				CF	0.7	07/02	ND	07/08	
				NO3	28.8	06/91	10.0	04/09	
				CLO4	ND	08/97	ND	07/08	
05	1940104	MUNICIPAL	ACTIVE	TCE	5.1	01/91	0.9	04/09	VULNERABLE (VOCS AND NO3)
				PCE	1.0	10/02	ND	04/09	
				1,1-DCE	1.0	10/02	ND	04/09	
				MC	4.9	05/89	ND	07/08	
				CF	1.2	07/02	ND	07/08	
				NO3	29.4	01/91	10.0	07/08	
				CLO4	ND	08/97	ND	07/08	
06	8000171	MUNICIPAL	ACTIVE	TCE	9.7	08/04	6.9	04/09	VULNERABLE (NO3)
				PCE	1.7	02/04	0.9	04/09	
				1,1-DCE	0.8	10/07	ND	04/09	
				CF	1.0	08/04	ND	07/08	
				NO3	37.4	10/04	28.0	04/09	
				CLO4	ND	10/99	ND	07/08	
MONROVIA NURSERY									
DIV 4	1902456	IRRIGATION	DESTROYED	VOCS	ND	08/96	ND	02/07	
				NO3	213.0	09/04	202.0	02/07	
				CLO4	ND	02/98	ND	02/98	
DIV 8	1902455	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
MONTEREY PARK, CITY OF									
01	1900453	MUNICIPAL	STANDBY	PCE	64.1	12/08	46.0	05/09	VULNERABLE (CLO4)
				TCE	4.1	05/04	ND	05/09	
				1,1-DCE	0.6	05/04	ND	05/09	
				1,1-DCA	1.0	05/04	ND	05/09	
				C-1,2-DCE	1.0	03/04	ND	05/09	
				NO3	17.0	03/09	15.0	05/09	
				CLO4	4.7	05/04	ND	08/08	
02	1900454	MUNICIPAL	DESTROYED	PCE	6.4	04/98	6.4	04/98	
				NO3	18.3	07/95	13.0	07/97	
				CLO4	3.0	07/97	ND	03/98	
03	1900455	MUNICIPAL	STANDBY	PCE	21.0	05/04	16.0	05/09	VULNERABLE (CLO4)
				TCE	2.7	05/04	0.6	05/09	
				C-1,2-DCE	0.8	05/04	ND	05/09	
				NO3	13.3	07/97	5.5	05/09	
				CLO4	4.2	05/04	ND	08/08	
04	1900456	MUNICIPAL	DESTROYED	PCE	0.4	01/80	ND	11/87	
				NO3	6.2	09/87	6.2	09/87	
				CLO4	NA	NA	NA	NA	

# APPENDIX C

## HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
05	1900457	MUNICIPAL	ACTIVE	TCE	7.0	01/92	3.0	05/09	VULNERABLE (CLO4) (1)
				PCE	35.8	08/08	26.0	05/09	
				C-1,2-DCE	2.0	11/01	0.9	05/09	
				1,1-DCA	1.1	11/01	0.6	05/09	
				1,1-DCE	0.7	11/01	ND	05/09	
				NO3	20.0	08/02	18.0	05/09	
				CLO4	6.5	02/01	ND	05/09	
06	1900458	MUNICIPAL	STANDBY	TCE	6.4	05/89	3.1	05/05	VULNERABLE (VOCS, NO3, AND CLO4)
				PCE	13.6	03/01	3.1	05/05	
				C-1,2-DCE	1.3	01/99	1.2	05/05	
				1,1-DCA	0.8	11/01	0.6	05/05	
				NO3	30.0	06/03	24.7	05/05	
				CLO4	5.9	04/02	5.9	04/02	
07	1902372	MUNICIPAL	ACTIVE	PCE	4.4	08/05	3.6	05/09	VULNERABLE (VOCS)
				CF	3.6	07/98	ND	08/08	
				NO3	12.8	08/89	2.3	08/08	
				CLO4	ND	08/97	ND	08/08	
08	1902373	MUNICIPAL	ACTIVE	PCE	2.5	02/05	1.9	03/09	
				NO3	17.0	08/05	ND	11/08	
				CLO4	ND	08/97	ND	11/08	
09	1902690	MUNICIPAL	ACTIVE	PCE	11.0	03/04	2.9	05/09	VULNERABLE (VOCS) (1)
				TCE	1.3	04/97	ND	05/09	
				NO3	6.8	08/01	ND	05/09	
				CLO4	ND	08/97	ND	05/09	
10	1902818	MUNICIPAL	STANDBY	PCE	14.0	05/04	11.0	05/09	VULNERABLE (NO3 AND CLO4)
				TCE	2.6	05/04	0.6	05/09	
				C-1,2-DCE	0.8	05/04	ND	05/09	
				NO3	27.1	08/07	17.0	05/09	
				CLO4	4.3	05/04	ND	08/08	
12	1903033	MUNICIPAL	ACTIVE	PCE	85.0	05/02	38.0	05/09	VULNERABLE (NO3 AND CLO4) (1)
				TCE	5.4	10/95	2.8	05/09	
				1,1-DCA	1.0	11/08	0.7	05/09	
				C-1,2-DCE	1.1	08/05	0.8	05/09	
				NO3	27.2	08/07	14.0	05/09	
				CLO4	15.0	09/97	ND	05/09	
14	1903092	MUNICIPAL	ACTIVE	PCE	2.2	05/02	0.7	05/06	VULNERABLE (VOCS)
				TCE	2.9	11/02	1.5	05/06	
				1,1-DCA	0.8	08/02	ND	05/06	
				C-1,2-DCE	1.0	11/02	ND	05/06	
				NO3	10.0	10/06	10.0	10/06	
				CLO4	ND	08/97	ND	05/03	
15	8000196	MUNICIPAL	ACTIVE	PCE	128.0	11/08	85.0	05/09	VULNERABLE (NO3) (1)
				TCE	3.4	07/06	2.5	05/09	
				NO3	23.0	11/08	22.0	05/09	
				CLO4	2.4	07/06	ND	05/09	
FERN	8000126	MUNICIPAL	STANDBY	PCE	9.9	09/08	7.8	05/09	
				TCE	2.3	08/02	ND	05/09	
				C-1,2-DCE	0.7	03/04	ND	05/09	
				NO3	6.5	03/04	ND	03/09	
				CLO4	2.0	08/97	ND	03/09	

### NAMIMATSU FARMS

NA	1901034	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	

### OWL ROCK PRODUCTS COMPANY

NA	1903119	INDUSTRIAL	INACTIVE	VOCS	ND	05/87	ND	11/08	
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# APPENDIX C

## HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
NA	1900043	INDUSTRIAL	INACTIVE	NO3	8.7	08/89	2.3	11/08	
				CLO4	NA	NA	NA	NA	
				VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
NA	1902241	INDUSTRIAL	ACTIVE	VOCS	ND	10/02	ND	11/04	
				NO3	ND	10/02	ND	11/04	
				CLO4	NA	NA	NA	NA	
				PICO COUNTY WATER DISTRICT					
NA	8000040	MUNICIPAL	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
				POLOPOLUS ET AL.					
01	1902169	IRRIGATION	INACTIVE	PCE	330.0	10/96	270.0	03/98	VULNERABLE (NO3)
				TCE	498.9	09/92	180.0	03/98	
				1,1-DCA	22.0	03/98	22.0	03/98	
				1,2-DCA	1.2	06/96	0.9	03/98	
				1,1-DCE	115.3	09/92	22.0	03/98	
				T-1,2-DCE	1.5	06/87	ND	03/98	
				1,1,1-TCA	53.0	09/92	12.0	03/98	
				CTC	0.8	06/96	0.6	03/98	
				NO3	50.8	07/91	29.7	03/98	
				CLO4	ND	03/98	ND	03/98	
				RICHWOOD MUTUAL WATER COMPANY					
				NORTH 2	1901522	MUNICIPAL	DESTROYED	PCE	
TCE	3.0	03/81	ND					05/92	
CTC	0.2	10/80	ND					05/92	
NO3	25.0	02/84	19.7					06/99	
CLO4	NA	NA	NA					NA	
SOUTH 1	1901521	MUNICIPAL	DESTROYED	PCE	96.0	05/83	3.4	12/93	
				TCE	0.7	12/82	ND	05/92	
				NO3	28.6	06/99	28.6	06/99	
				CLO4	NA	NA	NA	NA	
				ROY, RUTH					
NA	8000041	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
RURBAN HOMES MUTUAL WATER COMPANY									
NORTH 1	1900120	MUNICIPAL	ACTIVE	PCE	16.0	11/80	ND	06/09	VULNERABLE (VOCS AND NO3)
				1,1-DCE	0.9	09/08	ND	06/09	
				CF	0.8	02/02	ND	09/08	
				FREON 11	13.3	05/04	ND	06/09	
				FREON 113	64.4	05/04	ND	06/09	
				NO3	30.0	03/01	12.0	06/09	
				CLO4	ND	09/97	ND	09/08	
				SOUTH 2					
SOUTH 2	1900121	MUNICIPAL	ACTIVE	PCE	24.3	02/81	ND	06/09	VULNERABLE (VOCS AND NO3)
				1,1-DCE	1.7	10/08	ND	06/09	
				CF	3.8	02/02	ND	09/08	
				FREON 11	14.1	05/04	ND	06/09	
				FREON 113	54.2	05/04	ND	06/09	
				MC	1.1	08/02	ND	09/08	
				NO3	38.2	03/07	22.0	06/09	
				CLO4	ND	09/97	ND	09/08	
				SAN GABRIEL COUNTRY CLUB					

# APPENDIX C

## HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)						REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT			
					VALUE	DATE	VALUE	DATE		
01	1900547	IRRIGATION	ACTIVE	VOCS	ND	05/85	ND	08/05	VULNERABLE (CLO4)	
				NO3	67.0	07/96	54.0	08/05		
				CLO4	8.5	07/97	5.4	08/05		
02	1902979	IRRIGATION	ACTIVE	VOCS	ND	05/87	ND	08/05	VULNERABLE (NO3)	
				NO3	23.0	10/02	20.3	08/05		
				CLO4	1.4	12/97	1.1	08/05		
SAN GABRIEL COUNTY WATER DISTRICT										
05 BRA	1901669	MUNICIPAL	INACTIVE	TCE	0.9	01/97	ND	03/01		
				PCE	1.9	02/99	1.0	03/01		
				NO3	83.9	08/89	70.7	03/01		
				CLO4	ND	09/97	ND	09/00		
06 BRA	1901670	MUNICIPAL	DESTROYED	VOCS	ND	02/99	ND	02/99		
				NO3	108.9	08/72	57.6	03/00		
				CLO4	3.0	02/99	3.0	02/99		
07	1901671	MUNICIPAL	ACTIVE	VOCS	ND	09/89	ND	10/08	VULNERABLE (NO3 AND CLO4)	
				NO3	48.0	03/03	34.0	04/09		
				CLO4	5.6	03/03	ND	04/09		
08	1901672	MUNICIPAL	INACTIVE	VOCS	ND	01/90	ND	03/91	VULNERABLE (NO3)	
				NO3	76.0	01/82	23.4	08/93		
				CLO4	NA	NA	NA	NA		
09	1902785	MUNICIPAL	ACTIVE	PCE	2.0	01/09	1.5	04/09	VULNERABLE (NO3)	
				NO3	51.0	03/03	21.0	04/09		
				CLO4	ND	09/97	ND	07/08		
10	1902786	MUNICIPAL	INACTIVE	PCE	18.0	08/93	1.9	11/98	VULNERABLE (VOCS, NO3, AND CLO4)	
				NO3	50.0	05/89	31.0	11/98		
				CLO4	5.5	11/98	5.5	11/98		
11	8000067	MUNICIPAL	ACTIVE	PCE	2.0	06/89	1.1	04/09	VULNERABLE (NO3)	
				NO3	32.2	04/04	16.0	04/09		
				CLO4	ND	09/97	ND	07/08		
12	8000123	MUNICIPAL	ACTIVE	TCE	0.8	09/02	ND	07/08		
				MC	0.6	05/90	ND	07/08		
				NO3	7.0	10/01	5.4	10/08		
				CLO4	ND	09/97	ND	07/08		
14	8000133	MUNICIPAL	ACTIVE	PCE	0.6	09/02	ND	07/08		
				NO3	3.8	12/02	2.3	07/08		
				CLO4	ND <sup>a</sup>	09/97	ND	07/08		
SAN GABRIEL VALLEY WATER COMPANY										
B4B	1902858	MUNICIPAL	ACTIVE	TCE	25.2	02/08	25.2	02/08	(1)	
				PCE	43.0	11/07	5.8	02/08		
				CTC	10.0	11/03	6.6	02/08		
				1,2-DCA	1.0	09/07	0.5	02/08		
				1,1-DCE	3.2	11/07	2.3	02/08		
				C-1,2-DCE	4.2	11/07	2.7	02/08		
				NO3	13.1	11/07	13.1	11/07		
				CLO4	24.5	04/08	24.5	04/08		
B4C	1902947	MUNICIPAL	INACTIVE	CTC	22.3	02/01	14.0	08/01	VULNERABLE (CLO4) (1)	
				TCE	15.5	02/01	9.3	08/01		
				PCE	3.4	02/01	2.2	08/01		
				1,1-DCE	2.3	09/01	2.3	09/01		
				C-1,2-DCE	2.4	09/01	2.4	09/01		
				NO3	14.2	02/01	14.2	02/01		
				CLO4	6.0	06/00	ND	07/00		
B5A	1900718	MUNICIPAL	ACTIVE	PCE	17.5	03/91	ND	11/05	VULNERABLE	

# APPENDIX C

## HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)						REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT			
					VALUE	DATE	VALUE	DATE		
				TCE	5.2	03/98	ND	11/05	(VOCS, NO3, AND CLO4)	
				1,1-DCE	2.5	03/85	ND	08/05		
				CTC	1.1	12/91	ND	11/05		
				1,1,1-TCA	3.7	03/90	ND	08/05		
				CF	1.4	08/01	1.1	08/05		
				NO3	46.1	07/96	25.3	11/05		
				CLO4	14.0	06/97	4.0	08/05		
B5B	1900719	MUNICIPAL	ACTIVE	TCE	5.8	02/97	5.6	05/09		
				PCE	3.9	02/09	3.1	05/09		
				CTC	2.3	02/85	0.6	05/09		
				1,2-DCA	0.6	09/07	0.5	05/09		
				CF	2.4	01/07	1.2	05/09		
				NO3	54.0	11/08	50.0	05/09		
				CLO4	12.0	06/97	12.0	05/09		
B5C	8000112	MUNICIPAL	ACTIVE	VOCS	ND	05/89	ND	08/07		
				NO3	3.8	05/07	3.8	05/07		
				CLO4	ND	06/97	ND	03/08		
B5D	8000160	MUNICIPAL	ACTIVE	CTC	0.7	05/09	0.7	05/09		
				NO3	4.9	08/08	3.8	05/09		
				CLO4	ND	12/97	ND	05/09		
B5E	8000205	MUNICIPAL	INACTIVE	TCE	6.2	05/09	6.2	05/09	VULNERABLE (NO3) (2)	
				PCE	0.8	05/09	0.8	05/09		
				CTC	5.2	05/07	2.5	05/09		
				CF	3.9	01/07	0.4	05/09		
				NO3	23.0	08/07	15.0	05/09		
				CLO4	8.1	05/07	7.6	05/09		
B6B	1900721	MUNICIPAL	DESTROYED	TCE	111.0	02/85	35.8	09/92		
				PCE	6.4	10/81	4.3	09/92		
				CTC	17.0	02/85	5.0	09/92		
				1,1-DCE	1.1	04/85	0.5	09/92		
				1,1-DCA	0.6	09/92	0.6	09/92		
				1,2-DCA	8.3	09/92	8.3	09/92		
				NO3	85.4	02/91	57.2	09/92		
				CLO4	NA	NA	NA	NA		
B6C	1903093	MUNICIPAL	ACTIVE	TCE	84.0	03/88	6.9	02/09	(1)	
				PCE	12.0	11/81	0.7	02/09		
				CTC	13.0	02/85	ND	02/09		
				1,2-DCA	9.0	05/88	0.7	02/09		
				1,1-DCE	1.5	06/94	ND	02/09		
				C-1,2-DCE	6.2	04/88	ND	02/09		
				CF	1.7	04/04	0.8	02/09		
				NO3	87.0	09/08	81.0	02/09		
				CLO4	370.0	11/05	27.0	02/09		
B6D	8000098	MUNICIPAL	ACTIVE	TCE	87.0	05/09	87.0	05/09	(1)	
				PCE	7.1	05/09	7.1	05/09		
				CTC	8.8	04/96	4.5	05/09		
				1,1-DCA	1.1	05/09	1.1	05/09		
				1,2-DCA	3.5	05/09	3.5	05/09		
				1,1-DCE	1.0	08/08	1.0	05/09		
				C-1,2-DCE	2.8	05/09	2.8	05/09		
				CF	2.9	05/09	2.9	05/09		
				NO3	21.6	11/08	21.2	05/09		
				CLO4	390.0	11/05	90.0	05/09		
11A	1900739	MUNICIPAL	ACTIVE	PCE	1.5	02/08	0.9	05/09		
				NO3	14.7	07/89	3.5	09/08		
				CLO4	ND	08/97	ND	03/08		
11B	1900745	MUNICIPAL	ACTIVE	PCE	17.8	04/90	1.8	05/09	VULNERABLE (VOCS) (1)	
				TCE	4.0	04/90	ND	05/09		
				1,1-DCE	0.2	04/89	ND	08/08		
				C-1,2-DCE	3.0	04/89	ND	08/08		

# APPENDIX C

## HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
11C	1902713	MUNICIPAL	ACTIVE	NO3	18.3	08/06	14.0	08/08	VULNERABLE (VOCS)
				CLO4	ND	06/97	ND	03/08	
				PCE	4.1	12/91	1.1	05/09	
				TCE	0.6	12/91	ND	08/08	
				1,1-DCE	1.1	08/08	ND	05/09	
				C-1,2-DCE	2.5	03/92	ND	05/09	
				NO3	12.0	08/06	6.6	09/08	
1B	1900729	MUNICIPAL	ACTIVE	CLO4	ND	08/97	ND	03/08	VULNERABLE (VOCS)
				PCE	46.0	04/81	ND	05/09	
				TCE	1.8	02/80	ND	09/08	
				MC	7.1	04/87	ND	09/08	
				FREON 113	22.3	08/08	ND	02/09	
				NO3	22.4	05/08	16.0	05/09	
				CLO4	1.1	03/08	1.1	03/08	
1C	1902946	MUNICIPAL	ACTIVE	VOCS	ND	07/98	ND	08/08	
				NO3	5.0	07/89	3.8	08/08	
				CLO4	ND	10/99	ND	03/08	
1D	8000102	MUNICIPAL	ACTIVE	VOCS	ND	07/98	ND	08/08	
				NO3	5.0	07/89	4.1	11/08	
				CLO4	ND	08/97	ND	03/08	
1E	8000172	MUNICIPAL	ACTIVE	PCE	0.7	09/02	ND	05/09	VULNERABLE (CLO4)
				NO3	4.3	11/00	3.8	11/08	
				CLO4	5.0	06/00	ND	03/08	
2C	1900749	MUNICIPAL	ACTIVE	TCE	15.2	12/80	ND	11/05	VULNERABLE (VOCS)
				PCE	3.0	10/87	ND	11/05	
				NO3	16.4	08/04	5.2	08/05	
				CLO4	ND	08/97	ND	02/03	
2D	1902857	MUNICIPAL	ACTIVE	TCE	25.0	12/80	ND	05/09	VULNERABLE (VOCS)
				PCE	0.7	01/88	ND	08/08	
				NO3	8.2	07/86	3.2	08/08	
				CLO4	ND	08/97	ND	03/08	
2E	8000065	MUNICIPAL	ACTIVE	TCE	18.0	01/80	0.5	05/09	VULNERABLE (VOCS)
				PCE	0.9	01/88	ND	08/08	
				NO3	9.1	07/86	7.1	08/08	
				CLO4	ND	08/97	ND	03/08	
2F	8000197	MUNICIPAL	ACTIVE	TCE	0.8	06/08	0.7	06/09	
				NO3	4.3	09/06	3.7	08/08	
				CLO4	ND	09/06	ND	03/08	
8A	1900736	MUNICIPAL	INACTIVE	PCE	0.6	11/87	ND	02/97	VULNERABLE (NO3)
				NO3	40.2	02/97	40.2	02/97	
				CLO4	NA	NA	NA	NA	
8B	1900746	MUNICIPAL	ACTIVE	PCE	220.0	02/09	180.0	05/09	VULNERABLE (NO3) (1)
				TCE	0.7	05/09	0.7	05/09	
				NO3	23.0	08/08	23.0	08/08	
				CLO4	3.0	08/97	1.8	03/08	
8C	1900747	MUNICIPAL	ACTIVE	PCE	170.0	05/09	170.0	05/09	VULNERABLE (CLO4) (1)
				TCE	0.8	05/09	0.8	05/09	
				NO3	20.0	07/98	15.0	11/08	
				CLO4	4.0	03/08	4.0	03/08	
8D	1903103	MUNICIPAL	ACTIVE	PCE	62.3	02/09	44.0	06/09	VULNERABLE (NO3) (1)
				TCE	0.6	08/04	0.6	06/09	
				C-1,2 DCE	0.8	05/04	ND	06/09	
				CTC	0.6	06/88	ND	06/09	
				NO3	29.0	06/09	29.0	06/09	
				CLO4	2.3	03/08	2.3	03/08	

# APPENDIX C

## HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
8E	8000113	MUNICIPAL	ACTIVE	PCE	140.0	05/09	140.0	05/09	
				NO3	7.2	07/01	2.6	11/08	
				CLO4	ND	08/97	ND	03/08	
8F	8000169	MUNICIPAL	ACTIVE	VOCS	ND	10/98	ND	08/08	
				NO3	9.6	11/07	2.6	11/08	
				CLO4	ND	01/99	ND	03/08	
B1	1902635	MUNICIPAL	ACTIVE	TCE	12.0	04/85	ND	08/06	VULNERABLE (VOCS)
				PCE	7.3	05/88	ND	08/06	
				C-1,2-DCE	7.2	12/92	ND	08/06	
				1,1-DCE	2.1	08/89	ND	08/06	
				NO3	17.4	02/87	3.5	03/05	
				CLO4	ND	08/97	ND	02/03	
B2	1902525	MUNICIPAL	INACTIVE	TCE	17.0	03/80	ND	11/98	VULNERABLE (VOCS)
				PCE	15.8	06/80	0.7	11/98	
				CTC	1.7	05/82	ND	11/98	
				1,2-DCA	7.7	07/82	ND	11/98	
				1,1,1-TCA	7.6	07/82	ND	11/98	
				C-1,2-DCE	2.6	08/93	ND	11/98	
				NO3	8.7	11/98	8.7	11/98	
				CLO4	ND	11/98	ND	11/98	
B11A	1901439	MUNICIPAL	ACTIVE	TCE	9.8	08/01	5.8	08/04	VULNERABLE (NO3 AND CLO4) (1)
				PCE	21.7	05/92	8.5	08/04	
				1,1-DCE	14.0	08/01	2.8	08/04	
				CTC	0.9	01/88	ND	08/04	
				C-1,2-DCE	1.5	08/01	0.6	09/04	
				1,1-DCA	1.0	08/01	ND	08/04	
				NO3	37.7	03/00	36.5	08/04	
				CLO4	8.0	12/97	ND	08/04	
B11B	8000108	MUNICIPAL	ACTIVE	TCE	20.0	02/97	8.5	05/09	VULNERABLE (NO3 AND CLO4) (1)
				PCE	34.5	06/92	9.8	05/09	
				1,1-DCE	33.7	03/90	14.0	05/09	
				1,1-DCA	2.6	12/88	1.2	05/09	
				1,1,1-TCA	2.9	10/88	ND	11/08	
				C-1,2-DCE	3.6	03/05	1.3	05/09	
				NO3	35.9	02/97	19.0	05/09	
				CLO4	7.0	06/00	2.5	03/08	
B7B	1901440	MUNICIPAL	DESTROYED	TCE	2.4	03/85	2.4	03/85	
				PCE	1.4	03/85	1.2	03/85	
				NO3	12.4	08/87	12.4	08/87	
				CLO4	NA	NA	NA	NA	
B7C	8000068	MUNICIPAL	ACTIVE	TCE	11.3	12/93	2.8	05/09	VULNERABLE (NO3) (1)
				PCE	35.0	03/03	7.8	05/09	
				1,1-DCE	6.7	12/89	1.6	05/09	
				C-1,2-DCE	4.7	12/93	0.6	05/09	
				CTC	0.6	02/89	ND	08/09	
				NO3	28.4	08/92	10.0	08/08	
CLO4	ND	06/97	ND	03/08					
B7D	8000094	MUNICIPAL	INACTIVE	PCE	5.3	07/87	3.5	09/87	VULNERABLE (VOCS)
				TCE	3.9	07/87	3.3	09/87	
				1,1-DCE	5.3	05/87	5.0	09/87	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
B7E	8000122	MUNICIPAL	ACTIVE	VOCS	ND	08/90	ND	08/08	
				NO3	16.0	11/08	2.9	05/09	
				CLO4	ND	06/97	ND	03/08	
B8	1901436	MUNICIPAL	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	

# APPENDIX C

## HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
B9	1901437	MUNICIPAL	INACTIVE	TCE	37.0	02/85	34.7	01/87	
				PCE	4.9	01/87	4.9	01/87	
				CTC	8.3	01/87	8.3	01/87	
				NO3	84.7	02/86	68.1	02/87	
				CLO4	NA	NA	NA	NA	
B9B	8000099	MUNICIPAL	ACTIVE	VOCS	ND	06/87	ND	08/08	
				NO3	4.5	06/87	3.4	09/08	
				CLO4	1.2	03/08	1.2	03/08	
G4A	1900725	MUNICIPAL	ACTIVE	PCE	6.6	08/08	4.6	05/09	VULNERABLE (VOCS AND NO3)
				TCE	1.3	11/97	1.1	05/09	
				NO3	24.9	02/08	20.0	05/09	
				CLO4	1.0	03/08	1.0	03/08	
B24A	8000203	MUNICIPAL	ACTIVE	VOCS	ND	01/07	ND	02/09	
				NO3	2.2	01/07	ND	02/09	
				CLO4	ND	01/07	ND	08/08	
B24B	8000204	MUNICIPAL	ACTIVE	PCE	2.1	05/07	ND	02/09	
				TCE	0.7	05/07	ND	02/09	
				NO3	4.4	02/09	4.4	02/09	
				CLO4	ND	01/07	ND	08/08	
B25A (SA3-1S)	8000187	MUNICIPAL	ACTIVE	TCE	60.3	02/08	28.0	05/09	(1)
				PCE	28.0	05/08	18.0	05/09	
				CTC	5.9	10/07	1.1	05/09	
				1,2-DCA	1.4	10/07	ND	05/09	
				1,1-DCE	6.6	02/08	3.1	05/09	
				C-1,2-DCE	6.3	08/07	2.5	05/09	
				CF	1.7	10/07	1.2	05/09	
				NO3	78.0	05/09	78.0	05/09	
				CLO4	39.6	05/08	19.0	05/09	
B25B (SA3-1D)	8000188	MUNICIPAL	ACTIVE	TCE	21.0	03/09	0.8	05/09	VULNERABLE (VOCS, NO3 AND CLO4) (1)
				PCE	7.6	03/09	ND	05/09	
				CTC	10.0	09/04	ND	05/09	
				1,1-DCA	1.2	10/07	ND	05/09	
				1,1-DCE	2.6	03/09	ND	05/09	
				C-1,2-DCE	2.2	04/09	ND	05/09	
				NO3	27.0	05/09	27.0	05/09	
				CLO4	7.9	08/08	ND	05/09	
B26A (SA3-2S)	8000189	MUNICIPAL	ACTIVE	TCE	57.0	05/09	57.0	05/09	(1)
				PCE	5.7	05/09	5.7	05/09	
				CTC	2.8	05/09	2.8	05/09	
				1,1-DCA	0.8	05/09	0.8	05/09	
				1,2-DCA	4.3	11/04	3.3	05/09	
				1,1-DCE	1.0	02/09	1.0	05/09	
				C-1,2-DCE	3.3	05/06	2.7	05/09	
				CF	3.1	07/06	2.0	05/09	
				NO3	60.0	05/09	57.0	05/09	
B26B (SA3-2D)	8000190	MUNICIPAL	ACTIVE	TCE	31.0	05/09	31.0	05/09	(1)
				PCE	1.0	05/09	1.0	05/09	
				CTC	16.6	02/09	16.0	05/09	
				1,2-DCA	1.0	05/09	1.0	05/09	
				CF	1.0	05/09	1.0	05/09	
				NO3	13.0	07/08	13.0	05/09	
				CLO4	23.0	04/09	23.0	05/09	

### SIERRA LA VERNE COUNTRY CLUB

01	8000124	IRRIGATION	ACTIVE	VOCS	ND	08/96	ND	10/07	
				NO3	10.5	05/99	ND	10/07	
				CLO4	ND	03/98	ND	03/98	
02	8000125	IRRIGATION	ACTIVE	MC	0.5	10/08	0.5	10/08	VULNERABLE

# APPENDIX C

## HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				NO3	17.4	08/96	ND	10/08	(CLO4)
				CLO4	28.0	03/98	ND	04/98	
SLOAN RANCHES									
01	1901198	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
02	8000045	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
SONOCO PRODUCTS COMPANY									
01	1912786	INDUSTRIAL	ACTIVE	TCE	28.6	12/99	0.6	12/05	VULNERABLE (VOCS)
				PCE	8.5	12/99	ND	12/05	
				1,1-DCE	113.0	12/99	1.0	12/05	
				1,1,1-TCA	71.8	12/99	ND	12/05	
				CTC	1.2	07/96	ND	12/05	
				CF	1.4	07/04	0.6	12/05	
				NO3	72.8	12/05	72.8	12/05	
				CLO4	ND	06/98	ND	07/04	
02	1902971	INDUSTRIAL	ACTIVE	CTC	0.9	11/87	ND	12/05	VULNERABLE (VOCS AND CLO4)
				1,1,1-TCA	2.0	11/87	ND	12/05	
				1,1-DCE	5.9	02/98	1.0	12/05	
				PCE	1.8	10/03	0.6	12/05	
				TCE	16.0	10/03	1.0	12/05	
				CF	1.4	09/02	1.2	12/05	
				NO3	74.5	12/05	74.5	12/05	
				CLO4	10.0	02/98	ND	07/04	
SOUTH COVINA WATER SERVICE									
102W-1	1901606	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
SOUTHERN CALIFORNIA EDISON COMPANY									
110RH	8000046	NON-POTABLE	ACTIVE	VOCS	ND	08/89	ND	02/07	
				NO3	8.9	02/07	8.9	02/07	
				CLO4	ND	11/97	ND	11/97	
1EB86	1900342	NON-POTABLE	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
2EB76	1900343	IRRIGATION	ACTIVE	PCE	4.3	09/04	4.1	02/07	VULNERABLE (VOCS AND NO3)
				TCE	1.3	09/04	0.7	02/07	
				NO3	51.4	09/98	26.5	02/07	
				CLO4	2.0	11/97	2.0	11/97	
38EIS	1900344	NON-POTABLE	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
38W	1900344	NON-POTABLE	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
MURAT	8000047	IRRIGATION	ACTIVE	PCE	4.1	09/02	0.6	10/08	VULNERABLE (VOCS AND NO3)
				TCE	0.9	09/02	ND	10/08	
				NO3	26.9	09/04	14.0	10/08	
				CLO4	ND	04/98	ND	04/98	

# APPENDIX C

## HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
GRAV 2	1901679	MUNICIPAL	ACTIVE	PCE	16.0	07/08	7.1	05/09	VULNERABLE (CLO4)
				CTC	0.9	07/08	0.6	05/09	
				NO3	58.2	04/87	52.0	05/09	
				CLO4	6.9	02/03	5.2	05/09	
WIL 2	1901681	MUNICIPAL	ACTIVE	PCE	23.0	01/88	9.1	03/01	VULNERABLE (CLO4)
				TCE	4.6	03/00	4.6	03/01	
				NO3	86.8	03/00	77.9	02/01	
				CLO4	5.0	07/97	ND	12/99	
WIL 3	1901682	MUNICIPAL	ACTIVE	PCE	9.5	08/94	3.1	05/09	VULNERABLE (VOCS AND NO3)
				TCE	1.4	05/09	1.4	05/09	
				NO3	66.0	01/83	26.0	05/09	
				CLO4	ND	07/97	ND	08/08	
WIL 4	1903086	MUNICIPAL	ACTIVE	PCE	8.1	06/00	2.3	05/09	VULNERABLE (VOCS AND NO3)
				TCE	2.1	05/07	1.0	05/09	
				NO3	30.0	02/03	21.0	05/09	
				CLO4	ND	07/97	ND	08/08	
SPEEDWAY 605 INC.									
NA	1902968	NON-POTABLE	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
STERLING MUTUAL WATER COMPANY									
NEW SO.	8000132	MUNICIPAL	ACTIVE	VOCS	ND	06/91	ND	08/08	
				NO3	22.0	08/08	22.0	08/08	
				CLO4	ND	10/97	ND	08/08	
NORTH	1902096	MUNICIPAL	ACTIVE	VOCS	ND	06/88	ND	08/08	VULNERABLE (NO3)
				NO3	43.4	02/07	33.0	05/09	
				CLO4	ND	09/97	ND	08/08	
SOUTH	1902085	MUNICIPAL	DESTROYED	VOCS	ND	01/85	ND	06/91	
				NO3	16.2	03/91	14.8	08/07	
				CLO4	NA	NA	NA	NA	
SUBURBAN WATER SYSTEMS									
101W-1	41901605	MUNICIPAL	DESTROYED	TCE	1.5	07/87	ND	08/89	
				NO3	54.2	08/89	54.2	08/89	
				CLO4	NA	NA	NA	NA	
102W-1	1901605	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
102W-2	1901606	MUNICIPAL	DESTROYED	TCE	2.0	01/80	ND	06/85	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
103W-1	1901607	MUNICIPAL	DESTROYED	TCE	2.5	06/80	ND	07/82	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
105W-1	1901608	MUNICIPAL	DESTROYED	PCE	1.4	01/96	1.4	01/96	
				NO3	46.2	04/95	46.2	04/95	
				CLO4	NA	NA	NA	NA	
106W-1	1901609	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
111W-1	1901610	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	82.5	03/73	82.5	03/73	
				CLO4	NA	NA	NA	NA	



# APPENDIX C

## HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
112W-1	1901611	MUNICIPAL	DESTROYED	VOCS NO3 CLO4	NA 99.2 NA	NA 07/69 NA	NA 99.2 NA	NA 07/69 NA	
113W-1	1901612	MUNICIPAL	DESTROYED	TCE NO3 CLO4	0.7 85.0 NA	02/80 10/85 NA	0.5 67.8 NA	03/85 02/88 NA	
114W-1	1901613	MUNICIPAL	INACTIVE	TCE PCE NO3 CLO4	2.9 0.5 46.7 NA	01/80 12/93 08/91 NA	ND ND 39.8 NA	07/95 07/95 04/95 NA	VULNERABLE (VOCS AND NO3)
117W-1	1901614	MUNICIPAL	DESTROYED	VOCS NO3 CLO4	NA NA NA	NA NA NA	NA NA NA	NA NA NA	
120W-1	1901615	MUNICIPAL	DESTROYED	TCE NO3 CLO4	0.3 66.0 NA	07/82 07/88 NA	ND 60.5 NA	08/96 08/96 NA	
121W-1	8000181	MUNICIPAL	ACTIVE	VOCS NO3 CLO4	ND 16.7 4.7	10/02 11/08 11/08	ND 12.0 3.9	05/09 05/09 05/09	VULNERABLE (CLO4)
122W-1	1901616	MUNICIPAL	DESTROYED	TCE NO3 CLO4	2.6 90.0 NA	08/96 05/86 NA	2.6 60.7 NA	08/96 08/96 NA	
123W-1	1901617	MUNICIPAL	DESTROYED	TCE PCE NO3 CLO4	26.8 33.0 47.0 NA	04/81 04/81 05/76 NA	ND ND 4.0 NA	08/96 08/96 08/96 NA	
124W-1	1901618	MUNICIPAL	DESTROYED	TCE NO3 CLO4	0.5 60.0 NA	06/83 09/84 NA	ND 53.6 NA	08/89 08/89 NA	
125W-1	1901619	MUNICIPAL	DESTROYED	VOCS NO3 CLO4	ND 30.0 NA	01/80 05/76 NA	ND 21.0 NA	09/81 05/79 NA	
125W-2	8000087	MUNICIPAL	INACTIVE	VOCS NO3 CLO4	ND 50.0 NA	03/83 08/87 NA	ND 40.6 NA	07/95 03/95 NA	VULNERABLE (NO3)
126W-1	1901620	MUNICIPAL	DESTROYED	VOCS NO3 CLO4	NA 18.0 NA	NA 05/75 NA	NA 18.0 NA	NA 05/75 NA	
126W-2	8000092	MUNICIPAL	INACTIVE	VOCS NO3 CLO4	ND 38.8 4.8	03/85 07/91 07/97	ND 34.9 ND	08/00 03/01 01/98	VULNERABLE (NO3 AND CLO4)
131W-1	1901621	MUNICIPAL	DESTROYED	TCE PCE CTC 1,1-DCE 1,1,1-TCA NO3 CLO4	56.0 227.0 2.7 40.0 5.3 62.0 NA	10/93 04/80 10/93 10/93 10/93 09/81 NA	56.0 52.0 2.7 40.0 5.3 55.3 NA	10/93 10/93 10/93 10/93 10/93 10/93 NA	
133W-1	1901622	MUNICIPAL	DESTROYED	TCE CTC NO3 CLO4	0.5 0.5 49.1 NA	07/87 08/89 08/89 NA	ND 0.5 47.8 NA	08/89 08/89 09/89 NA	
134W-1	1901623	MUNICIPAL	DESTROYED	TCE	56.0	10/93	56.0	10/93	

# APPENDIX C

## HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				PCE	0.1	12/80	ND	10/93	
				1,1-DCE	8.6	10/93	8.6	10/93	
				1,1,1-TCA	13.2	03/83	ND	10/93	
				NO3	43.0	06/87	40.9	10/93	
				CLO4	NA	NA	NA	NA	
135W-1	1901624	MUNICIPAL	DESTROYED	TCE	0.8	03/85	0.3	05/85	
				NO3	59.0	02/86	47.5	09/86	
				CLO4	NA	NA	NA	NA	
136W-1	1901625	MUNICIPAL	DESTROYED	PCE	335.0	03/80	66.0	10/93	
				TCE	53.0	03/80	9.1	10/93	
				CTC	2.4	10/93	2.4	10/93	
				1,1-DCE	15.0	10/93	15.0	10/93	
				NO3	48.0	01/77	37.6	10/93	
				CLO4	NA	NA	NA	NA	
139W-1	1901598	MUNICIPAL	DESTROYED	TCE	34.8	06/81	ND	01/97	
				PCE	5.0	02/88	ND	01/97	
				CTC	0.8	09/80	ND	07/96	
				NO3	99.2	05/94	92.9	07/96	
				CLO4	NA	NA	NA	NA	
139W-2	1901599	MUNICIPAL	INACTIVE	TCE	18.7	09/80	ND	10/08	VULNERABLE (VOCS)
				PCE	12.1	03/80	ND	10/08	
				CTC	0.8	09/80	ND	10/08	
				CF	0.6	10/08	0.6	10/08	
				NO3	103.5	10/08	103.5	10/08	
				CLO4	34.0	10/08	34.0	10/08	
139W-4	8000069	MUNICIPAL	ACTIVE	TCE	4.7	04/97	ND	02/09	VULNERABLE (VOCS AND NO3)
				MC	0.7	09/07	ND	02/09	
				NO3	46.0	09/07	43.7	02/09	
				CLO4	12.0	12/03	9.4	02/09	
139W-5	8000095	MUNICIPAL	INACTIVE	TCE	19.0	08/01	19.0	08/01	
				PCE	10.8	05/99	0.7	08/01	
				CTC	1.0	08/01	1.0	08/01	
				1,2-DCA	1.0	02/00	ND	08/01	
				MC	2.4	09/97	ND	08/01	
				NO3	13.0	06/01	13.0	08/01	
CLO4	2.0	09/97	ND	11/99					
139W-6	8000152	MUNICIPAL	INACTIVE	TCE	51.2	02/01	0.4	10/08	VULNERABLE (VOCS AND NO3)
				PCE	2.8	02/01	ND	10/08	
				CTC	1.9	02/01	ND	10/08	
				1,2-DCA	1.6	02/01	ND	10/08	
				NO3	42.8	10/08	42.8	10/08	
				CLO4	35.4	11/00	12.0	10/08	
140W-1	1901602	MUNICIPAL	DESTROYED	TCE	1.0	01/80	1.0	01/80	
				NO3	86.9	04/73	68.0	05/75	
				CLO4	NA	NA	NA	NA	
140W-3	1903067	MUNICIPAL	ACTIVE	TCE	13.6	03/80	ND	12/07	VULNERABLE (VOCS, NO3, AND CLO4)
				PCE	1.0	06/88	ND	12/07	
				CTC	1.0	09/81	ND	12/07	
				NO3	78.0	03/85	9.9	12/08	
				CLO4	16.0	12/05	4.5	12/08	
140W-4	8000093	MUNICIPAL	ACTIVE	TCE	7.0	01/96	1.5	11/06	VULNERABLE (VOCS AND NO3)
				NO3	36.4	10/03	36.3	12/04	
				CLO4	12.6	10/03	11.6	12/04	
140W-5	8000145	MUNICIPAL	ACTIVE	TCE	21.0	02/91	6.2	05/09	VULNERABLE (NO3)
				PCE	1.0	06/07	ND	05/09	
				NO3	30.0	03/09	20.0	05/09	
				CLO4	9.8	10/08	6.1	06/09	